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1953 CATALOG

# Orchids

*Direct from Hawaii... Nature's Greenhouse*

WM. KIRCH-ORCHIDS, LTD.  
HONOLULU, HAWAII

KAUAI

OAHU

MOLOKAI

MAUI

HAWAII



# *Orchids* — Direct from Nature's Greenhouse Hawaii — Land of Flowers

Your patronage over the past two years has made possible the production of this, our first illustrated catalog. We are pleased to present this copy to you.

We have tried to make the listings both attractive and readily understandable. Plants have been grouped in a manner to help you understand some of their characteristics. This is particularly true in the sections devoted to Dendrobiums and Vandas.

Except where otherwise specified, the figures which precede price quotations are in terms of pot sizes. Where the term "log" is used, it means an established plant growing on a section of Hawaiian tree fern.

All plants are quoted F.O.B. Honolulu; no charge is made for packing. Plants are shipped out of pots, either by air parcel post special delivery or by air express as may be most economical depending on the size of the shipment. Transportation usually costs between ten and fifteen percent of the purchase price on orders of \$10.00 or more. We have no minimum for the size of an order, but suggest that you consider the increased ratio of transportation costs for orders under \$10.00. Do not remit cost of transportation at time of order. We will bill you for the exact cost after shipment. See page 47 of this catalog for discounts and other instructions for ordering.

All orders are serviced promptly. We try to ship within three days after receipt of an order. With modern air transportation, time in transit is not a matter of concern. We can deliver plants safely to any part of the world. **We guarantee satisfaction.**

Prices quoted are cash with order. We do not ship C.O.D.

**WM. KIRCH—ORCHIDS, LTD.**

HAWAII'S LARGEST SHIPPERS OF QUALITY ORCHID PLANTS

1953 CATALOG

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**WM. KIRCH—ORCHIDS, LTD.**

732 KAPAHULU AVENUE



HONOLULU 16, HAWAII

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## *About Wm. Kirch—Orchids, Ltd.*

People like to know a little bit about those from whom they buy. In local business you become well acquainted with the butcher, the baker and the candlestick maker. We are a long way removed from most of our customers so they can't easily drop in and get acquainted. If you do visit our lovely Islands, be sure to call us. We would like to show you our nurseries of which we are very proud.

WM. KIRCH—ORCHIDS, LTD. is a corporation owned and operated by seven Hawaiian orchid nurseries. Its function is to act as sales agent between the customer and the producer. We have found such cooperative operation to be most effective in giving our customers quick, efficient service and in freeing the grower from the multiple details of packing and shipping so that his full attention can be focused on growing better plants.

Our seven nurseries are located in various climatic regions on the Island of Oahu. We have a range in temperature, rainfall, and other climatic factors which allows us to grow a wide range of different orchid plants. No single nursery, regardless of its size, could possibly offer so wide a selection as that which you will find offered in this catalog.

Monthly meetings of the head growers of our nurseries give us the advantage not just of one grower's point of view, but the combined knowledge and years of experience of all seven. Active cooperation in the exchange of pollen, stud plants and ideas on breeding promote better plants than could be produced if we operated as individuals. The production of the seven nurseries is nearing one-half million orchid plants in various stages of growth. Therefore, we feel capable of handling any order regardless of how small or how large.

Our aim is to produce plants of the finest quality for the amateur. While many of our plants are suitable for the commercial production of cut flowers, this is not our primary goal. We feel that the amateur has the right to expect new, different, and better offerings each year. We feel further that plants for the amateur should be grown so that they will reach him in a condition which will make them easy to establish under his own conditions. Our hard grown plants, subjected to stimulating Hawaiian sunshine, are not to be confused with greenhouse grown subjects which must continue to have identical treatment or suffer a check.

We particularly want to help those who have problems about orchid growing. We do not expect to have all the answers; but if you desire advice, a letter to us will bring a prompt answer with the best knowledge on the subject we can offer.

We realize that many people hesitate to purchase plants sight unseen. All too often they have not received the quality and service they desire. To this end we reiterate that we guarantee satisfaction. A trial order will prove our point. We do make errors, we are human! If at any time a customer has a complaint of any nature, we want him to write us. We won't refer the complaint to the carrier. We take full responsibility and guarantee satisfaction to your door. To our knowledge, we have never had a claim which was not settled to the customer's satisfaction, and we don't ever intend to. We value your patronage and pledge ourselves to protect it. We have no quarrel with those who sell for less. They know the value of their stock.

BUY DIRECT — KNOW WHAT YOU GET!



# LISTING OF STOCK

## ACAMPE

Epiphytes similar in growth to Vandas. Do well in either intermediate or warm house. Flowers last well, but are primarily of botanical interest.

**Longifolia (Burma)**—Yellow, barred red. 7" \$ 7.50  
8" 10.00

## ARANDA

Hybrids between Arachnis and Vanda. Growth much like a Renanthera. Large spikes of beautiful flowers of heavy texture and long-lasting quality. Do well in warm house.

**Hilda Gallistan (A. Hookeriana x V. Suavis)**—Cream to yellow, orange spots. Free flowering.

Flowering size 10.00

**Punctata (A. Moschifera x V. Dearei)**—Warm red-brown, barred tan. Very lovely. Flowering size 10.00

**Queen of the Purples (A. Hookeriana x V. Coerulea)**—Exceptional spikes of large blue flowers. Free flowering. Flowering size 12.50

## AERIDES

A most handsome genus. Erect stems with thick, fleshy roots at intervals. Plants grow in pots or baskets half filled with crock or charcoal topped with rough osmunda or tree fern. Grow in Cattleya house.

**Crassifolium (Burma)**—May and June. One of the best. Long, drooping spikes with fragrant amethyst-purple flowers. 6" 7.50-10.00

**Falcatum (Burma)**—Summer. 12 to 18" spikes. Creamy white, crimson tipped. 7-8" 7.50-10.00

**Falcatum Var. Houlletianum** — Very rare. Light buff, magenta tipped. 7" 25.00

**Multiflorum (Burma)**—Flowers deep rose, branching spikes. 7-8" 7.50-10.00

**Lawrenciae (Mindanao)**—Autumn. Large flowers. White to cream, with magenta. 7-8" 10.00-15.00



*Aerides Lawrenceae*

**Odoratum (Cochin China)**—Early summer. Many flowered racemes. Creamy white shaded pale magenta, fragrant. 7-8" 7.50-10.00

**Quinquevulnerum (Philippines)**—July and August. Exceptionally free flowering, white spotted, rosy purple. 6-7" 7.50-10.00

**Virens (Java)**—Spring. Long drooping racemes. Peach color, spotted purple. 6" 7.50

**Lawrenciae x Fieldingii**—A hybrid of great promise. We expect multiple flowering annually. Pink to lavender. 3" 4.00  
4" 7.50  
5" 10.00

## AERIDOVANDA

Hybrids between Aerides and Vanda. Culture same as for Vandas or Aerides.

**Mundayi (A. Vandarum x V. Teres)**—Terete growth, pure white to flush pink. 12-18" stem cutting, ea. 2.50

**Tsuruko Iwasaki (V. Sanderiana x A. Lawrenceae)**—One of the best, white pink spotting, spatulate growth.

1 1/2" 1.50  
2" 3.00

**AV. Mundayi x V. Teres Andersoni**—Should be large flower. Dark in color. Terete growth. 2" 2.00  
3" 3.00  
4" 4.50  
5" 7.50  
6" 10.00

**R. Monachica x A. Crassifolium**—A new generic combination. Should produce large sprays. Flowers orange-pink. 1 1/2" 1.50

**V. Tatzeri x A. Crassifolium**—A fine new Aeridovanda. Flowers pink-rose. 1 1/2" 1.50

**V. Ellen Noa x A. Quinquevulnerum**—A new cross that should be most interesting. Expect large flowers cream to white, lavender markings. Spatulate foliage.

2" 2.00  
3" 4.00

**A. Crassifolium x V. Cooperii**—Terete foliage. Large flower, lavender color. Free flowering. 8-12" tall—ea. 5.00

## ANGRAECUM

A beautiful Vandaceous genus from Africa. Flowers are curiously shaped, usually white, culture same as Aerides.

**Distichum (West Coast Africa)**—Summer. Produces many small stems with beautiful pure white flowers from the leaves. 3" 10.00

**Sesquepedale (Madagascar)**—Spring. Large 6" ivory-white flowers with a spur on the lip. 8-12" long. The finest of all the species. 2" 2.50

## ARACHNANTHE

A Vandaceous genus from India and Asia. Very curious flowers. Commonly called the Scorpion orchid. Grows best in warm house or in full sun in tropical regions. Flowers of heavy texture and long lasting.

**Flos-Aeries**—The brown scorpion. Large flowers, red-brown in color. 6-7" 10.00

**Moschifera**—Dark green with chocolate markings. A strong musk scent when in flower. Very bizarre. 6-7" 10.00



**Arachnanthe (Cont'd)**

- V. Herziana x A. Moschifera**—A bigeneric hybrid with Arachnanthe and Vanda. Should produce a blue. Scorpion shape.
- |    |      |
|----|------|
| 2" | 2.50 |
| 3" | 5.00 |
| 4" | 8.50 |
- A. Moschifera x REN. Storiei**—Named Aranthera Rainbow. Reds, purples, a rainbow of colors in the scorpion shape.
- |    |      |
|----|------|
| 2" | 2.50 |
| 3" | 5.00 |
| 4" | 8.50 |
- V. Mem. T. Iwasaki x A. Moschifera**—Shades of green to yellow with darker spotting. Scorpion shape.
- |    |       |
|----|-------|
| 2" | 2.50  |
| 3" | 5.00  |
| 4" | 8.50  |
| 5" | 12.50 |

**BIFRENARIA**

Intermediate house orchids, allied to Lycaste and requiring similar culture.

- Aurea (Brazil)**—Small bright orange flowers.
- |                |      |
|----------------|------|
| Flowering size | 5.00 |
|----------------|------|
- Harrisoniana (Brazil)**—Flowers 3", creamy-white to purple flush.
- |                |      |
|----------------|------|
| Flowering size | 7.50 |
|----------------|------|

**BRASSAVOLA**

Epiphytes closely allied to Cattleyas and Laelia. Of easy culture. Grow as you would Cattleyas but give more light.

- Digbyana (Honduras)**—April to May. Large solitary green-white flowers. Large fringed lip. The most outstanding species and of great value as the parent of modern Brasso hybrids.
- |    |       |
|----|-------|
| 6" | 15.00 |
|----|-------|
- Glaucia (Mexico)**—Spring. Flowers singly on short stems. Pure white with magenta eyes in lip. Heavy texture.
- |                        |      |
|------------------------|------|
| Flowering size on logs | 7.50 |
|------------------------|------|
- Nodosa (Central America)**—Autumn. Exceptionally free flowering. Terete foliage. White star-like flowers. Fragrant at night.
- |                        |           |
|------------------------|-----------|
| Flowering size on logs | 2.50-3.50 |
|------------------------|-----------|

**HYBRID BRASSOS**

Generic combinations containing Brassavola, Cattleya, and Laelia in various combinations. These constitute some of the most outstanding exhibition type orchids noted for their large size, particularly the labellum.

- BC. Sam Damon (C. Mrs. E. Roehers x B. Digbyana)**—Lovely chartreuse and lemon yellow flowers. Exceedingly large lip.
- |      |       |
|------|-------|
| 5-6" | 25.00 |
|------|-------|
- BC. Montalvo (BC. British Queen x C. Santa Monica)**—Large pastel lavenders of immense size, good shape and texture.
- |      |       |
|------|-------|
| 5-6" | 17.50 |
|------|-------|
- LC. Balkis var. Superba x BLC. Nai Thong Leng**—An exhibition type Brasso of great promise. Deep color, fine shape, lavender.
- |    |      |
|----|------|
| 2" | 3.50 |
|----|------|
- LC. Tegucipalga x BLC. Nai Thong Leng**—Similar to the above but lighter in color.
- |    |      |
|----|------|
| 2" | 3.50 |
|----|------|
- LC. Melemele x BLC. Nanette**—A Brasso of large size in either cream, light yellow or white. Good shape and texture.
- |    |      |
|----|------|
| 2" | 3.00 |
|----|------|
- LC. Edward Matthews x BLC. Daffora**—A combination of dark lavender and yellow parents to produce a deep lavender bronze. Shape and texture good.
- |    |      |
|----|------|
| 2" | 3.50 |
|----|------|
- BLC. Eudora var. Summit x (C. Audrena x BC. Cliftonii)**—A very large light pastel lavender. Should be most spectacular.
- |    |      |
|----|------|
| 2" | 3.50 |
|----|------|
- (C. Hardyana x BC. Corrientes) x BC. Wake Island var. "The Queen"**—Two very fine parents of the best exhibition quality. Dark lavender.
- |     |      |
|-----|------|
| 1½" | 3.00 |
| 2"  | 4.50 |

- BLC. J. K. Lilly x LC. Sam Houston var. Brilliance**—Excellent potential. Both parents of superb quality. Lavender. Fall and winter.
- |    |      |
|----|------|
| 2" | 3.50 |
|----|------|

- BC. Montalvo x LC. Waromas**—A medium lavender of tremendous size and excellent shape. A future prize winner.
- |    |      |
|----|------|
| 2" | 3.00 |
| 3" | 4.00 |

- BLC. J. K. Lilly x BC. Hartland var. Courageous**—A very dark Brasso, superb round shape, flowering season winter.
- |    |      |
|----|------|
| 2" | 2.50 |
| 3" | 4.00 |

- C. Marguerite Coll x B. Digbyana**—Pale pastel with very large frilled lip. Winter season.
- |     |      |
|-----|------|
| 1½" | 1.50 |
|-----|------|

- BC. Seafoam var. Snow Sheen x C. Concinnity**—A speculative cross. Both parents white. Hope for a fine, white Brasso of fine shape and texture.
- |     |      |
|-----|------|
| 1½" | 1.50 |
|-----|------|

- BC. Daffodil x C. Gregorio Yellow var.**—Deep butter-yellow and exceptional texture. Flowers 4-5" across. Winter.
- |     |      |
|-----|------|
| 1½" | 2.00 |
| 2"  | 3.00 |

- BLC. Meru x C. Concinnity**—Both parents white. Expect pale pastel of good size and shape.
- |    |      |
|----|------|
| 4" | 7.50 |
|----|------|

- C. Furnace var. Majestic x BC. Diadem Lavender var.**—A very dark lavender of brilliant color, good size and texture.
- |     |      |
|-----|------|
| 1½" | 2.00 |
|-----|------|

- BC. Diadem Alba (B. Digbyana x C. Eleanore)**—A very large pure white with a beautifully fringed lip.
- |    |       |
|----|-------|
| 5" | 15.00 |
| 6" | 20.00 |

- BLC. Ben Kodama (LC. Canberra Stonehurst var. x B. Digbyana)**—A highly variable hybrid. Colors range from green, yellow, orange, to red bronze. Flowers large. The best are hard to beat.
- |    |             |
|----|-------------|
| 4" | 10.00-15.00 |
| 5" | 15.00-20.00 |

- BLC. Katherine Abe (Chief Joseph x Samoset)**—Ivory to yellow with a red lip. Good shape and texture.
- |    |       |
|----|-------|
| 3" | 7.50  |
| 4" | 12.50 |

- BLC. Kahawai (LC. Princess Margaret x B. Digbyana)**—A primary Brasso. Deep rose-lavender. Large frilled lip.
- |    |      |
|----|------|
| 4" | 5.00 |
|----|------|

- BLC. Kolohana (BC. Ilene x LC. Locarno) x B. Digbyana**—An exceptionally large Brasso. Light lavender. Very large lip, deeply fringed.
- |    |      |
|----|------|
| 3" | 6.00 |
|----|------|



Brassocattleya Sam Damon



Brassolaeliocattleya Nanette Alba

**BLC. Nanette Alba x Self** — A number of these have flowered. Equally good to the original strain. Some pure white; others, touch of lavender in the lip. Very large.

1½"	2.00
2"	3.00
3"	5.00

**BLC. Nanette x C. Edithiae**—Pale pastel. Very heavy texture. Large size. Winter season.

1½"	1.50
2"	3.50

**BLC. Pauline Inouye (BLC. Nanette Alba x BC. Heatherwood Alba)**—White with a very pale lavender lip. Heavy texture, fine shape.

3"	3.50
----	------

**BLC. Blanche Okamoto (LC. Canberra Stonehurst var. x BLC. Nanette Alba)**—White to ivory and pale yellow, with heavy texture.

1½"	2.00
2"	3.00
2½"	5.00
3"	7.50
3½"	10.00

**BLC. Makani (LC. Marie Dobrott x BC. Maronae)**—Warm lavender sepals and petals, dark purple lip with yellow eyes.

2"	2.50
2½"	3.50
3"	5.00
4"	7.50

**BLC. Palikea (C. Gladys Tsukamoto x BLC. Nanette Alba)**—A variable cross, some pure white, others lavender or white purple lip. Good texture and shape.

2"	1.50
2½"	2.50
3"	4.00

**C. Lillian Stewart x BLC. Nanette Alba**—A large pastel lavender. Very fine texture.

2"	1.50
2½"	4.00

**C. Mescalero Alba x BLC. Nanette Alba**—A large Brasso. White with a purple lip. Good shape.

2"	2.50
3"	4.00
4"	5.00

**LC. Locarno x BC. Estelle**—An exceptionally fine BLC. Lavender with darker lip. Fine shape and texture.

1½"	1.50
2"	2.50
3"	5.00-7.50

**LC. Aphrodite x BLC. Llewellyn**—Red-bronze-lavender of heavy texture, large size. Some splashed petals.

1½"	1.50
2"	2.50

**C. Estelle Alba x BLC. Nanette Alba**—Similar to the above cross.

3"	5.00
----	------

**C. Enid Alba McBeans var. x BLC. Nanette Alba**—Almost pure white. Lip contains a faint touch of lavender. Heavy texture.

2"	2.50
3"	4.00
4"	5.00

**C. Tityus x BC. Goliath**—A very large Brasso of lavender color.

1½"	1.50
3"	3.50
4"	6.00

**BC. Appleblossom x LC. Pagham**—Hard to predict. Appleblossom is just that color. Pagham a deep orange-yellow. Probably a lavender bronze will result.

1½"	1.50
2"	2.50
2½"	3.50

**C. Thebes var. Bronze King x BLC. Samoset**—Yellow, bronze, orange. A fine new Brasso of great promise.

1½"	2.00
2"	3.00
2½"	5.00
3"	7.50

**BLC. Lighthouse x LC. Mygdon**—White to ivory-cream with dark purple lip. Very wide petals.

1½"	1.50
2"	2.50
2½"	3.50
3"	5.00

**LC. Tuscan x BC. Hartland**—An exceptionally dark lavender of very heavy texture, fine shape.

1½"	1.50
2"	2.50

**BC. Costes x BLC. Nanette**—White to pale yellow with a purple lip. Exceptionally large flower.

1½"	2.00
2"	3.00

**LC. Cantabile Alba x BC. Sonia**—White with a very dark purple lip. Very free flowering.

1½"	1.50
2"	2.50

**BC. Princess Patricia, F.CC.-R.H.S. x LC. Balkis var. Superba**—Two superb parents. Cannot fail to produce some hybrids of the finest possible quality. Lavender.

1½"	2.00
2"	3.50

**(LC. Ishtar x BLC. Helmsdale) x LC. Hertha var. Perfection**—Superb parents. Very fine lavender of exhibition quality.

2"	2.50
2½"	3.50

**BLC. Golden Queen var. Regina x LC. Cheton**—A superior Brasso of deep orange to yellow color. Truly a fine possibility for exhibition stock.

1½"	2.00
2"	3.50

**C. Enid x BC. Liliuokalani**—A large lavender Brasso of exceptional texture. Should have fine shape.

2"	2.50
3"	5.00

**LC. Gold Flake x BC. Olna**—A deep yellow-orange crossed with a large white Brasso. Fine texture.

2"	3.00
----	------

**LC. S. J. Bracey x BLC. Nanette Alba**—Yellow, orange, bronze. Fine shape and texture.

1½"	2.00
2"	3.00

**BC. Akebono x (LC. Canada var. Ruth x BLC. Ramona var. Anita)**—Deep red-lavender Potinara. Good size and fine shape.

1½"	1.50
2"	2.50

**(LC. Massasoit x C. Hardyana) x BC. Moneta**—Medium lavender in color. Very large flower.

1½"	1.50
2"	2.50
3"	3.50
4"	5.00

**BLC. Melrose (BLC. Alfred Mollet x LC. Mrs. T. Ward)**—Heavy texture. Medium lavender-rose. Large flower. Fine carriage.

6"	25.00
----	-------



## Hybrid Brassos (Cont'd)

**BC. Naalukeya (C. Triumphans x B. Digbyana)**—Lemon-yellow, flushed pink. A very large Brasso lip.  
5" 15.00

**BLC. Florence Kodama (C. Nutley Alba x B. Digbyana)**—Pure white sometimes flushed rose on the reverse side, large lip.  
5" 15.00

**C. Bicolor x BLC. Samoset**—Deep bronze to yellow. Exceptional texture. Some fine things will appear.  
1½" 2.00  
2" 3.50  
3" 5.00  
4" 8.00

**BC. Minerva (BC. Leemanae x C. Dowiana)**—Very large straw yellow with red veining. Exceptionally large fringed lip. Summer and fall.  
5" 30.00

## BRASSIA

Closely allied to Oncidiums, often called the spider orchids. Grow in intermediate house. Give ample water when growing; drier when dormant, but not as dry as Oncidiums.

**Longissima (Costa Rica)**—Late spring. Orange-straw yellow. Exceptionally long sepals and petals.

Flowering size logs 7.50  
Baskets 10.00-12.50

**Verrucosa (Guatemala)**—Spring. Long spikes, 1-2 feet. Flowers large. Greenish spotted deep purple.

4" 5.00  
Flowering size logs 7.50

## CATTLEYA—SPECIES

Cattleya species and hybrids are among the showiest of all orchids. They are the popular florist flower. They should be grown in intermediate to warm house. The species require ample water when in growth, but much less when dormant. They are among the easiest of all orchids to grow. Potting should usually be done just after the plant has flowered. Osmunda fiber is the preferred potting material although they do equally well in Hawaiian tree fern or on logs.

**Aurantiaca (Guatemala)**—Summer. Flowers 3". Clear orange, in heads of 6-10 flowers.

Flowering size logs 5.00

**Chocoensis (Oaxaca)**—Fall and winter. Flowers 4-6". Blush white to pale lavender.

Flowering size logs 3.50

**Deckerii (Panama)**—Flowers 3". Deep lavender. Fall flowering.

Flowering size logs 5.00

**Dolosa (Brazil)**—Autumn. Dwarf habit. Flowers 4", rose magenta. Heavy texture and fine shape.

Flowering size logs 10.00

**Gigas (Colombia)**—Very large flowers. Rose-purple, crimson lip. Requires lot of sun, heat and water.

Flowering size logs 7.50

**Gigas Alba var. Firmin Lambeau F.C.C.-R.H.S.**—A collector's item is this rare, beautiful, pure white species. Reported to have been sold once for \$10,000.00.

5-6" 100.00

**Harrisoniana (Brazil)**—Late spring. Lilac to deep rose, lip with a touch of yellow. Flowers 4-5" heavy texture.

Flowering size logs 7.50

**Harrisoniana Alba x Self**—The white form of the above. Very rare.

2" 2.50  
3" 4.00

**Intermedia (Brazil)**—April to May. Light lavender, flushed deeper rose. Flowers about 4".

Flowering size logs 5.00

**Perciviliana (Venezuela)**—Late fall to early winter. Rose to purple, with a darker lip and deep orange throat. Flowers 5-6".

Flowering size logs 3.50

**Superba (Essequibo)**—One of the darkest of all the Cattleya species. Deep lustrous purple. Heavy texture.

Flowering size logs 10.00

**Trianae (Colombia)**—Winter. One of the easiest of all orchids to grow. Flowers large. Lavender with darker lip.

Flowering size logs 3.50

## CATTLEYA—HYBRIDS

While most of the modern Cattleya hybrids contain either Laelia or Brassavola, a few containing the straight species are still made. These consist for the most part of the alba or pure white forms. They want more water than the species as they do not have such a prolonged rest period. The pure white forms also require a little less light.

**Estelle Alba (Cowaninae x Edithiae)**—A very fine and highly productive winter white. Good shape and texture.

5" 15.00  
6" 20.00

**Lyndell (Enid Alba McBeans x Urusla)**—Quite variable.

White purple lip, lavender, white with deep splashed petals have appeared. Spring flowering.

3" 6.00  
4" 12.50

**Rita Sladden x Angelina Alba**—Should produce a very fine winter white of excellent texture and shape.

2" 2.50  
3" 5.00

**George Reynolds (Florence Dalton x Dinah, A.M.-R.H.S.)**—

A proven exhibition Cattleya of quality. Lavender with dark purple lip.

3" 7.50  
4" 15.00

**Mossiae Reineckiana Young's var. x Princess Royal Alba**

—A most satisfactory white with purple lip for spring. Flowers large and well shaped.

4" 10.00

**Granulosa x Forbesii**—A green Cattleya of very heavy texture. Flowers 4-5".

1½" 1.00  
2" 2.00

**Mossiae Reineckiana x Dionysius Alba**—Very similar to the above cross; later flowering and a slightly darker lip.

4" 10.00

**Gigas var. Firmin Lambeau F.C.C.-R.H.S. x Mendelii var Stuart Low**—Speculative, but if Hurst is right on his C & R inheritance factor for albanism, should produce a fine summer white.

4" 7.50



Cattleya Gigas Alba var. Firmin Lambeau F.C.C.-R.H.S.



Cattleya Pavlova

**Pavlova (Egret x Mossiae Wagneri)**—Pure white, heavy-textured, medium size flower. Bright yellow throat.

5" 15.00

**Pavlova x Edithiae var. White Empress**—Heavy textured white. Fine shape and size.

1½" 1.50

**Bow Bells (Suzanne Hye x Edithiae)**—A winter white of great reputation. High production and excellent carriage.

1½" 1.50

2" 2.50

2½" 4.00

3" 5.00

**Pilgrim (Tityus W'birt var. x Prospector)**—A winter lavender of good quality and very heavy production. Excellent as a cut flower.

4" 10.00

**Edithiae x Simplicity**—A very clear white. Exceptional texture and size. Winter flowering.

1½" 1.50

2" 2.50

2½" 4.00

**Gladys Tsukamoto x Concinnity**—Pure white, orange throat. Exceptional production.

1½" 1.50

2" 2.50

2½" 3.50

3" 5.00

**Kauluvella (Gaskelliana x Gregorio)**—Rose lavender. 4-6 flowers on a spike. An exceptionally good grower.

5" 10.00

**Hesperus (Enid x Hardyana)**—Very heavy textured large flower of deep rose lavender with dark lip.

5" 20.00

6" 30.00

**Gladys Tsukamoto (Gaston Butel x Angelina)**—One of the most prolific white Cattleyas we know. Sometimes 6"-pots have twenty or more flowers.

5" 15.00

**Javotte (Edithiae x Lady Veitch)**—Large, white. Heavy texture.

5" 20.00

**Tityus (Enid x Octave Doin)**—A very fine form of this famous hybrid. All divisions from one plant.

6" 25.00

## CHYSIS

Best potted into pans or pots. Semi terrestrial. They like a rich compost, old osmunda, oak mould, sand, and peat in equal proportions. Keep warm with lots of water when a growth. After growth, remove to cooler location and keep on the dry side.

**Aurea (Venezuela)**—Spring. 3-6 flowers. Brownish yellow, white with crimson lip. 4" 7.50

**Bractescens (Peru)**—Spring. 5-8 Flowers. Wax-white, yellowish lip. Very fine. 5" 7.50-10.00

## COELOGYNE

A most interesting genus from the amateur standpoint. Sometimes called the chain orchid. Pot in osmunda not too hard. They like plenty of water. Intermediate to warm house.

**Asperata (Borneo)**—Late spring. Long drooping racemes. Flowers 3". Cream-yellow, veined brown and orange. 6" 7.50

**Burfordense (Asperata x Pandurata)**—A fine hybrid. Green to greenish yellow. Large flowers. Lip, black to brown. 6" 15.00

**Flaccida (North India)**—7-12 cream colored flowers about 1½" across on short spikes. Very prolific. 6" 5.00

**Massangeana (Assam)**—Not seasonal. Long pendulous spikes up to 2" in length with many buff-yellow flowers. 6" 7.50

**Merrillii (Philippines)**—A dwarf species. Translucent white flowers, 2½". Short spikes. 4-5" 5.00

## CYMBIDIUM

We do not grow the modern hybrids in Hawaii as our climate is too warm to insure good flowering. The species we list are all most interesting and proven to be free flowering. Best in warm to intermediate house. Should have lots of water at all times.

**Aliofoium (Burma)**—Spring. Pale green flowers of about 2". A beautiful pot plant. Considered a sacred plant by the Chinese. 5" 7.50

**Finlaysonianum (Malaya)**—Pendulous racemes, many flowered. Brown-red. Very easy to grow. 6" 7.50

**Giganteum (India)**—Winter. Large flowers. Green-brown, striped red. 6" 10.00

**Grandiflorum (Sikkim)**—Winter. Large flowers. Green, yellow lip spotted red. 6" 10.00

**Mastersii (India)**—A striking plant of unusual growth. Resembles a dwarf palm. Large white flowers. 6" 10.00

**Pendulum (Asia)**—A giant species. Large ocre yellow flowers, red lip. Pendulous racemes. 6" 10.00

## CYPRIPEDIUM

Lady slipper orchids. A very easy genus for the amateur to grow. Intermediate house, 50% shade, lots of water at all times. Pot soft in any rich compost, fertilize frequently.

**Callosum (Siam)**—A beautiful tessellated foliage type. Flowers deep purple and white, long stems. 5" 7.50

**Concolor (Siam)**—A charming miniature species. Deep yellow, spotted brown. 2-3 flowers on a spike. 3" 7.50

**Fairrieum (India)**—Most distinct. Purple and white, with a curious oriental appearance. 4" 7.50

**Godefroyae (Siam)**—White, spotted purple; sometimes pure white. Excellent species. 3" 10.00

**Haynaldianum (Philippines)**—Large green foliage. Long spikes of up to 5 flowers. Green-brown, spotted pink. 5" 12.50



**Cypripedium (Cont'd)**

**Insigne (India)**—The easiest of all to grow. Can be handled as a house plant almost anywhere. Green-brown. 4" 3.50  
5" 5.00

**Niveum (Siam)**—Our favorite. Porcelain white, minute red brown spots like a bird's egg. Will charm everyone. 3" 12.50

**Venustum (Asia)**—A most unusual species. Green, purple, brown, prominent veining. Beautiful foliage. 4" 7.50

**CYPRIPEDIUM HYBRIDS**

We have many fine varieties to offer but not in sufficient numbers to catalogue. We shall be pleased to submit a special quotation on request.

**CYRTOPODIUM**

A genus from South America of great merit. Long spikes of beautiful flowers. Pot in large containers of ½ soil, ½ old osmunda. Fertilize and water heavily.

**Andersonii**—Clear green-yellow. 5" 7.50  
6" 10.00

**DENDROBIUM—SPECIES**

A very large and polymorphic genus distributed over a wide range of the Pacific. All are easily grown. General requirements are decided periods of growth and rest. Plenty of heat, water, fertilizer when growing; keep dry and cool when dormant. Ample light at all times. Pot in osmunda or Hawaiian tree fern.



**Dendrobium Chrysotoxum**



**Dendrobium Aggregatum var. Majus**

**Aureum (Philippines)**—Deciduous species. Lovely, fragrant yellow flowers in the spring. Our strain raised from seed of a very fine type. 3" 7.50  
4" 10.00

**Aggregatum var. Majus (India)**—Spring. Dwarf habit, slender drooping spikes of beautiful orange flowers. Requires a long dry rest. 4" 5.00  
5" 7.50

Flowering size logs 5.00  
Baskets 10.00–15.00

**Aggregatum Jenkensii (India)**—Spring. A miniature form of the above. Flowering size logs 5.00

**Bigibbum (North Australia)**—Evergreen, magenta purple, white crest. Fine shape. Flowering size logs 5.00

**Caniculatum (Queensland)**—Evergreen. Most charming miniature. Long upright spikes of white cream and purple flowers. 3½" 7.50

**Chrysotoxum (Moulmein)**—Spring. Very beautiful. Deep golden yellow. Flowers in clusters. Needs long rest.

Flowering size logs 3.50–5.00  
Baskets 7.50  
Specimen plants 10.00–15.00

**Cruminatum (Philippines)**—Large graceful plant. Huge spikes covered with pure white flowers that last for one day. Flowers several times a year. A fine landscape subject in the South. Flowering size logs 5.00

**Dalhousianum (Burma)**—Very large flowered. Peach-rose, maroon spots in lip. 6" 10.00

**Densiflorum (India)**—Spring. Flowers close set in pendulous trusses. Deep rich yellow. Baskets 7.50

**Dixanthum (India)**—Slender stems, bright yellow flowers. Flowering size logs 5.00



**Farmeri (India)**—Spring. A charming species. Apple-blossom pink, yellow lip. **Flowering size logs** 5.00  
**Baskets** 7.50  
**Specimen plants** 10.00–15.00

**Fusifforme (Queensland)**—Curious plant. White flowers in long spikes. **3½"** 5.00

**Fimbriatum Occulatum (Burma)**—Spring. Bright orange flowers, maroon blotch in lip. Very fine.  
**4–5"** 7.50  
**6–7"** 10.00

**Johannis (Queensland)**—Evergreen. Brown, with canary yellow lip. Long spikes. **3½"** 7.50  
**Flowering size logs** 5.00–7.50

**Lyonii (Philippines)**—One of the most beautiful of all the species. Wine red. Flowers large, 4–5". Long spikes. **Flowering size logs** 15.00

**Moschatum Cupreum (India)**—Large flowers. Apricot yellow, lip like a pouch. Spring.  
**4–5"** 7.50  
**6–7"** 10.00

**Nobile (India and China)**—We have a large stock of various types, lavender shades. Spring. Of easiest culture. Should be in every amateur collection.  
**Flowering size logs** 3.50–5.00–7.50

**Nobile var. Virginale**—The pure white form.  
**Flowering size logs** 10.00

**Phalaenopsis (Australia)**—Ours are all home grown stock from seed. Evergreen. A very fine species. Requires complete rest while dormant.

**Rose-lavender 2–4"** 1.00– 3.50  
**Deeper color 3–4"** 5.00– 7.50  
**Pure white 4–5"** 7.50–15.00  
**Var. compacta 3½"** 7.50



**Dendrobium Fimbriatum Occulatum**



**Dendrobium Lyonii**

**Pierardii (India)**—Early spring. Pale pastel lavender, primrose yellow lip. Deciduous. Very easy culture. Pendulous. **Flowering size logs** 2.50–5.00

**Philippinense**—Curious terete foliage. Small yellow flowers. **3–4"** 5.00

**Primulinum (Burma)**—Early spring. Pale rose-lilac. Deciduous. **Flowering size logs** 5.00

**Sanderac Major (Philippines)**—Easily one of the finest of the genus and very rare. Large white flowers with lavender marked lip. **Flowering size logs** 25.00

**Secundum (Malaya)**—Autumn and winter. Most unusual. Flowers rose purple, lip orange yellow, small.  
**4–5"** 7.50  
**Flowering size logs** 5.00–7.50

**Senile (Malaya)**—A very curious little plant, has white hairs all over it, looks like a little old man. Beautiful green yellow flowers. **Flowering size logs** 7.50

**Superbum (Philippines)**—Spring. A large flowered species. Very fragrant. Deciduous and pendulous. Lavender. **Flowering size logs** 3.50–5.00

**Superbum var. Dearei**—Pure white form. **1½"** 1.50  
**3"** 5.00  
**4–5"** 7.50–10.00  
**Large specimens** 15.00–20.00

**Toftii (Queensland)**—A very rare evergreen species of great beauty. Slate blue-white. Very large lip. Good stud. **5"** 20.00

**Thrysiflorum (Burma)**—Spring. Spectacular species. Orange and white. Large pendulous trusses. **Flowering size logs** 7.50

**Tokai (Fiji)**—Evergreen. Dark green flowers. Very charming. **4–5"** 17.50

**Undulatum (Queensland)**—Variable. Evergreen. Brown and yellow shades. Long spikes, undulated flowers. Fine. **5"** 12.50  
**6"** 15.00

**Undulatum var. Bloomfieldii**—The pure yellow form of the above. **6"** 20.00–25.00



Dendrobium Lady Constance





Dendrobium Pauline

## HAWAIIAN DENDROBIUM HYBRIDS

Dendrobiums of the hardwood evergreen type have come into their own new glory in Hawaii in the past ten years. Today, they constitute one of the finest groups of spray orchids for the amateur. Our new hybrids offer a range of types and colors that cannot be described in a few simple words. They are continually winning new praise and honors. We predict they will be grown in every collection in the next few years. Their flowers last for weeks in perfection.

Their culture is simple. They grow best in the Cattleya house. Give them as much light as

you can. In this respect they do well right along side your hybrid Vandas. When they are in active growth water copiously. They appreciate regular application of liquid fertilizer. After growth matures, reduce the water and fertilizer to harden the bulbs. Pot in osmunda as you would a Cattleya.

Dendrobiums are exceptionally fast growing plants. They frequently flower in 3" pots. Under good culture they often flower from community pots in two years.

### GROUP I—Dendrobium Hybrids

These crosses have a strong influence of Dend. Phalaenopsis. The flowers are very large for the genus, the shape is good, and the spikes are long. They make very suitable subjects for cut flowers.

<b>Paul (Taurus x Phalaenopsis)</b> —Various shades of lavender to rose, fine large spikes.	
	1½" 1.50
	2" 2.50
	3" 5.00
	5" 7.50
	7" 10.00

<b>Pauline (Undulatum x Phalaenopsis)</b> —An old favorite. Free flowering. Medium to dark lavender. Very long spikes of wavy flowers.	
	3" 3.00
	4" 4.50
	7" 15.00

**Neo Hawaii (Grantii x Phalaenopsis)**—Pastel lavenders. Exceptional flower production.

1½"	1.50
2"	2.50
3"	4.00
4-5"	8.00

**May Neal x Phalaenopsis**—A new hybrid. Exceptional texture, round petals, deep rose, bright lavender.

1½"	1.50
2"	2.50
3"	5.00-7.50

**Lady Constance (Orchidwood x Phalaenopsis)**—One of the most beautifully shaped hybrids. Round flowers of deep lavender-purple.

c/p	7.50
1½"	1.50
2"	2.50
2½"	3.50
3"	7.50



## Group I—Dendrobium Hybrids (Cont'd)

**Superbiens var. Goldei**—A very fine natural hybrid. Rose-lavender flowers. Long spikes. 3" 5.00

**Tocuphum (Dicuphum Alba x Tokai)**—A most unusual color, old dusty rose. Very free flowering. 3" 3.00  
3½" 3.50  
4" 5.00

**Louis Bleriot (Superbiens Goldei x Phalaenopsis)**—A great favorite. Large dark purple flowers. 2" 2.50  
3" 5.00

Selected flowering plants 7.50-10.00-15.00

**Hawaii (Tokai x Phalaenopsis)**—One of the freest flowering hybrids known. Medium to dark lavender in color. 1½" 1.00  
2" 2.00  
3" 4.00  
4" 7.50

**Suzan Hanatani (Kukui x Phalaenopsis)**—A Louis Bleriot type. Dark to medium lavender. 2½" 3.00

**Louis Bleriot x Tokai**—An exceptionally dark flower, medium size. 1½" 1.00  
2" 2.50

**Orchidwood (Bigibbum x Phalaenopsis)**—Very round shape. Medium rose to lavender color. 3" 3.00  
4" 4.50

**Aloha x Phal. var. Snow White**—Various shades of lavender flushed bronze. Free flowering. 2" 2.00  
3" 4.00  
4" 7.50

**Brisbane x Phalaenopsis**—Light lavender-pink, long spikes. 2" 3.00  
3" 4.00

**Louisea x Phalaenopsis**—Pastel lavender-pink, large flowers. 2" 3.00  
3" 4.00

**Liliha x Brisbane**—Light pink to near white flush, long spikes. 2" 3.00  
3" 4.00  
4" 7.50

**Valley King (Mildred Kazumura x Phalaenopsis)**—One of the finest of the new hybrids. Very heavy texture. Some of the first to flower have been almost black lavender. 2" 3.50  
3" 7.50

**Pamela Kirch (Helen Bromley x Phal. Mauna Kea)**—One of the freest flowering Dendrobs we have ever seen. Pale pastel lavender to deep rich purple. Large flowers. 5" 8.50  
7" 12.50



Dendrobium Pamela Kirch



Dendrobium Phalaenopsis

**Phalaenopsis**—Selected strains bred for dark color, shape, and size. 1½" 1.50  
2" 2.50  
3" 5.00  
4" 7.50

**Liliha x Phalaenopsis**—Very large dark lavender. Equal or superior to Louis Bleriot. 2" 2.50  
3" 5.00

**Lim Chong Min (Caesar x Phalaenopsis)**—Very heavy texture, large flowers. Near white to deep dark lavender. 2" 3.50  
3" 7.50

**Liliha (Pauline x Phalaenopsis)**—A great favorite. Long spikes. Dark lavender. Free flowering. 2" 2.50  
3" 5.00

**Kehaulani Ayau (Sander's Crimson x Phalaenopsis)**—Large size. Deep color, lavender-red. 2" 2.50  
3" 5.00  
4" 8.00

**Lois Anderson (Hawaii Nui x Phalaenopsis)**—Very large dark flowers. Free flowering. One of the best of the proven crosses. 1½" 1.50  
2" 2.50  
3" 5.00  
4" 8.50

**Lelia Camp (Neo Hawaii x Phalaenopsis)**—Bright lavender-rose, good size. 1½" 1.50  
2" 2.50  
3" 3.50-5.00

**Neo Hawaii x Sander's Crimson**—Reddish-lavender, large size. 2" 2.50

**100th Battalion x Phalaenopsis**—Very long spikes of fine lavender flowers. Exceptionally free flowering. 3" 5.00  
4" 8.50



Dendrobium Sander's Crimson

**Sander's Crimson (Taurinum x Phalaenopsis)**—An old favorite. Very large flowers with a large lip. Lavender.  
6" 18.00

**Madam Pompadour (Phal. x Louis Bleriot)** — Beautiful shape. The selected dark forms are real prize winners.  
Flowering size 5.00-12.50  
Selected dark var. 15.00-20.00

**Orchidwood x Alice Spaulding**—Very dark lavender-bronze.  
2" 2.50  
3" 5.00

**Lady Constance x 100th Battalion**—Exceptional flower production. Long spikes, bright purple flowers.  
3" 4.00  
5" 7.50



Dendrobium Lady Constance x 100th Battalion



Dendrobium Hawaii Nui

**Hawaii Nui (Hawaii x Phalaenopsis)**—A fine hybrid of good size, lavender.  
Flowering size 12.50  
Selected dark var. 15.00

**Phalaenopsis var. Mauna Kea** — Beautiful pure white flowers of great charm. Flowers very early, 3" being flowering size.  
3" 7.50  
4" 12.50

**Bernice (Tokai x Hawaii)**—Large flowers of an unusual shade of old rose.  
Flowering size 15.00

**Hawaii Nui x Orchidwood**—Of great possibilities for a dark lavender of exhibition quality. c/p 7.50

**Kalihi (Shibata x Phal. Mauna Kea)**—A fine new hybrid of brilliant dark lavender color.  
3" 7.50  
5" 10.00  
6" 15.00

**Jacqueline Thomas (Gouldii x Phalaenopsis)**—A very free flowering type. Medium to very dark lavender.  
3" 4.50  
5" 15.00  
8" 20.00

## GROUP II—Dendrobium Hybrids

The hybrids in this section are often referred to as the Antelope Dendrobiums. Due to the influence of Dend. Stratiotes, the twisted petals stand up like antelope horns. Flowers on these plants have exceptional texture and often last on the plants for three months.

**Strattokai x Constance**—Deep golden yellow to chartreuse.  
2" 2.50  
3" 4.00

**Pauline x Stratiotes**—A wide range of color, white, cream, to deep lavender.  
1½" 1.50  
2" 2.50  
3" 5.00  
4" 8.00



Dendrobium Mildred Kazumura

## Group II—Dendrobium Hybrids (Cont'd)

**Mildred Kazumura (Hawaii x Stratigotes)**—A proven cross of great merit. Yellow, cream, to deep lavender.

1½"	1.50
2"	2.50
3"	5.00
4"	8.00

Selected mature 15.00-20.00

**Alice Spaulding x Stratigotes**—A deep yellow to green, large size.

1½"	1.50
2"	2.50
3"	4.00

**Sunda Island x Shibata**—Large size brown to buff.

1½"	1.50
2"	2.50

**Robbie Camp x Stratigotes**—Deep lavender. A fine thing.

1½"	1.50
2"	2.50

**Strattokai x Phal. Dixon's var.** — Exceptionally dark hybrid of the Caesar type.

1½"	1.50
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**Strattokai x Taurus**—Yellow to bronze-red.

1½"	1.00
2"	2.50

**Rose Souza (Kukui x Stratigotes)**—A wide range of colors, lavender to yellow-bronze.

1½"	1.00
2"	2.50

**Strattokai x T. Kodama**—Principally yellow to apricot and peach.

1½"	1.00
2"	2.50

**Strattokai x Tokai**—Deep green-yellow.

2"	2.50
2½"	3.00

**Strattokai x 442nd Infantry**—Deep lavenders, some blues.

1½"	1.00
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**Surfrider (Rose Marie x Stratigotes)**—A fine thing. Large flowers, white with rose flush.

1½"	1.50
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**Pauoa (Sander's Crimson x Stratigotes)**—Very large flowers of the Caesar type. A fine hybrid.

2"	2.50
3"	5.00

**Hawaii Nui x Stratigotes**—Dark purple, fine size.

1½"	1.50
2"	2.50

**Salak x Shibata**—Green to yellow and brown.

c/p	7.50
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**Sharon Naka (Lester McCoy x Stratigotes)**—Yellow and red combinations, many unusual bronze tones. One of the better new hybrids.

1½"	1.50
2"	2.50
3"	5.00
4"	8.50

Selected flowering size 25.00

**Lum Goo (Stratigotes x Gouldii)**—A fine new yellow hybrid, much in demand.

3"	7.50
4"	10.00

**442nd Infantry x Stratigotes**—White with pale blue flush. Very large size.

1½"	1.50
2"	2.50
3"	5.00-7.50

**100th Battalion x Stratigotes**—Primarily peach to yellow and apricot.

1½"	1.50
2"	2.50
3"	3.50

**Caesar (Phalaenopsis x Stratigotes)**—Very large flowers. Pale pastel to darkest lavender. Occasionally a pure white form.

c/p	7.50
1½"	1.50
2"	2.50
2½"	4.00

3"	5.00-7.50
4"	10.00



Dendrobium Caesar





Dendrobium Stratiotes

**Stratiotes x Self**—The famous species itself. Breeds true to seed. Every collection should have a plant.

1½"	1.50
2"	2.50
3"	3.50-5.00

Flowering size divisions 10.00-15.00-20.00

**Stratiotes x Helen Bromley**—A fine yellow to bronze.

1½"	1.50
2"	2.50
3"	5.00

**T. Kodama x Stratiotes**—Unusual shades of pastels, peach, apricot, salmon, etc.

1½"	1.50
2"	2.50
3"	5.00-7.50

**Owen x Stratiotes**—Reds, salmons, warm lavenders.

2"	2.50
3"	3.50-5.00

**Sunda Island (Stratiotes x Veratrifolium)**—Pale white with blue cast.

Flowering size 15.00

**Salak (Undulatum x Stratiotes)**—Yellow to deep brown.

6" 20.00

**Strattokai x Shibata**—Green to yellow, large flower.

1½"	1.50
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**Shibata x Stratiotes**—Beautiful Stratiotes shape. Chartreuse sepals, petals white, lavender lip. Large flowers.

5"	12.50
6"	15.00

### GROUP III—Dendrobium Hybrids

The hybrids in this section are built around Dend. Veratrifolium. This species imparts exceptional vigor and freedom of flowering. Spikes are numerous and very long, falling into arching sprays of dainty flowers. Individual flowers are small to medium. Most spectacular as display plants.

**Lester McCoy x Veratrifolium**—Pale yellow to cream and white, some lavenders. Very heavy production.

1½"	1.00
2"	2.00
2½"	3.00
3"	5.00
4"	7.50
5"	10.00

**Lester McCoy x Sander's Crimson**—A hybrid of great promise. Very long spikes with increased flower size. Medium to dark lavender.

2½"	3.00
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**Sander's Crimson x Veratrifolium**—Very similar to Dend. Blue Hawaii. Pastel shades of lavender and blue.

1½"	1.50
2"	2.50
3"	5.00-7.50
8"	17.50

**Liliha x Veratrifolium**—Lavender to deep purple, long spikes.

1½"	1.00
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**Blue Hawaii (Goldei x Veratrifolium)**—Many fine blue forms; others pastel pink to medium lavender.

1½"	1.00
2"	2.50

**Strattokai x Veratrifolium**—Cream to yellow to white.

1½"	1.00
2"	2.50

**Lady MC (Hawaii x Grantii)**—A great range, lavenders to white with blue lip.

2"	3.00
3"	6.00
4"	10.00

**Joan Sawyers (Tokai x Veratrifolium)**—Chartreuse to yellow to pale cream and white. Very long sprays.

1½"	1.00
2"	2.00
3"	4.50
3½"	6.00
4"	7.50
5"	10.00
6"	12.50

**Lester McCoy (Hawaii x Veratrifolium)**—Great range of color, lavender, blue, yellow, to cream and white.

3"	5.00
4"	7.50
5"	10.00
6"	12.50

Selected flowering size divisions 15.00

**Neo Hawaii x Veratrifolium**—Pale pastels to white with blue lip.

2"	3.00
3"	4.00

**Abigail (Pauline x Veratrifolium)**—Deep purple to lavender and bronze.

2"	3.00
3"	4.00

**Hawaii Nui x Veratrifolium**—An improved Dend. Lester McCoy.

1½"	1.50
2"	2.50
3"	5.00

**Hawaii Nui x Grantii**—Much like Dend. Lady MC.

2"	2.50
3"	5.00

**Veratrifolium x T. Kodama**—White to cream yellows.

3"	5.00
5"	12.50

**Clara Hoshino (Kukui x Veratrifolium)**—Cream, buff, apricot, blue, and lavender.

2"	2.50
2½"	3.50

## Group III—Dendrobium Hybrids (Cont'd)

<b>Ursula (Veratrifolium x Undulatum)</b> —Golden yellow to chocolate brown.	1½"	1.00
	2"	2.00
	3"	3.50
	4"	5.00
<b>442nd Infantry x Louisea</b> —Two fine blues should produce some fine blue hybrids.	1½"	1.50
	3"	3.50-5.00
<b>Veratrifolium x Shibata</b> —Green to chartreuse and pale yellow.	1½"	1.50
	2"	2.50
	3"	3.50
	7"	17.50
<b>Veratrifolium</b> —The species itself. White, blue lip.		
Flowering size		7.50-10.00-15.00
<b>Grantii x Veratrifolium</b> —Extremely free flowering. White pale flush.	Flowering size division	
	17.50	

## GROUP IV—Dendrobium Hybrids

Feature parent of this section is Dend. Taurinum or the Bull's Horn Orchid. The spikes are heavily flowered, generally upright. Plants make beautiful specimens. Individual flowers are quite large. This is one of the easiest to grow. Plants must attain a good size to flower freely.

<b>Taurus x Alice Spaulding</b> —Principally yellow and green.	1½"	1.50
	2"	2.50
<b>Sander's Crimson x Taurus</b> —Very dark purple and bronze-purple.	1½"	1.50
	2"	2.50
<b>T. Shioi (Gouldii x Taurinum)</b> —One of the darkest hybrids yet produced. Quite beautiful.	1½"	1.50
	2"	2.50
	3"	5.00-7.50
	3½"	7.50
	7"	17.50
<b>T. Shioi x Self</b> —Should produce interesting segregations.	c/p	7.50
<b>Bacchus (Taurinum x Pauline)</b> —Very large. A fine lavender, some forms exceptionally dark.	2"	2.50
	3"	5.00
	3½"	7.50
	4"	10.00
<b>Hawaii x Taurinum</b> —Very dark Sander's Crimson type. A few yellow, flushed purple-bronze.	3"	4.00
	4"	7.50
<b>Takami Kodama (Taurinum x Taurus)</b> —Principally lavender with salmon to apricot flush.	2"	2.50
	3"	5.00
<b>442nd Infantry (Taurinum x Veratrifolium)</b> —Lavenders, occasionally some very fine blue forms. Very large flower.	1½"	1.50
	2"	2.00
	3"	4.00
	4"	5.00
	Flowering size	15.00
<b>Pauline x Taurus</b> —Lavender to bronze, some yellow forms.	2"	2.50
	3"	5.00
	4"	8.00
<b>Neo Hawaii x Taurinum</b> —Pale pastels to blues, large flowers.	1½"	1.50
	2"	2.50
	3"	3.50-5.00
<b>Taurus (Taurinum x Undulatum)</b> —Brown, yellow, to red-bronze.	1½"	1.50
	2"	2.50
<b>Shibata x Johannis</b> —Brown to deep golden yellow.	c/p	7.50
	1½"	1.50



Dendrobium Sunda Island (See p. 17)

<b>Shibata x Self</b> —Segregants in green, yellow and deep purple.	c/p	7.50
	1½"	1.00
	2"	2.50
<b>100th Battalion x 442nd Infantry</b> —Lavender overtones, orange yellow base. Large flower.	3"	5.00
	4"	8.50
<b>Shibata x T. Kodama</b> —Deep yellows, greens, and bronze. Large size.	3"	5.00
	4"	8.50
<b>Hawaii x Shibata</b> —Dark lavenders, slate-blue to bronze, some yellows.	3"	5.00
	4"	8.00
<b>100th Battalion x Tokai</b> —Principally yellow to deep bronze.	3"	5.00
	4"	7.50
<b>Superbiens Goldei x Shibata</b> —Lavender to bronze-lavender.	8"	20.00
<b>Shibata x 100th Battalion</b> —Yellow to apricot and salmon.	3"	5.00
	5"	12.50
	7"	20.00
<b>442nd Infantry x T. Kodama</b> —Pastel lavenders and pink.	3"	5.00
	5"	12.50
<b>Shibata x 442nd Infantry</b> —Deep lavender to lavender-bronze.	2"	2.50
	3"	5.00-7.50
<b>100th Battalion (Taurus x Veratrifolium)</b> —Yellows, apricots, salmon. Taurinum shape.	2"	2.50
	3"	4.50
	6"	12.50
	Flowering size	20.00



Dendrobium Owen

**Kam IV (100th Battalion x Phal. Mauna Kea)**—Similar to above with lavender overflushed, larger flowers.

1½"	1.50
2"	2.50
3"	4.50

**Taurus x 100th Battalion**—Principally yellow and bronze shades.

1½"	1.50
2"	2.50
3"	5.00-7.50

**442nd Infantry x 100th Battalion**—Dark lavender to bronze, large size.

1½"	1.50
2"	2.50
4"	5.00

**Taurus x Shibata**—Deep bronze, reds, and yellow.

1½"	1.50
2"	2.50
3"	5.00-7.50

**100th Battalion x Shibata**—Principally yellow and pastels.

2"	2.50
3"	5.00-7.50

**100th Battalion x T. Kodama**—Yellow, salmon, apricot, orange.

1½"	1.50
2"	2.50
3"	5.00-7.50

**T. Kodama x 442nd Infantry**—Definite Taurinum shape. Yellow undertone flushed lavender and blue.

1½"	1.50
2"	2.50
3"	5.00-7.50

**T. Kodama x Self**—Variable, but some fine things will appear.

1½"	1.00
2"	2.00
3"	3.50-5.00

**Sander's Crimson x 100th Battalion**—Very dark purple, large flower.

1½"	1.50
2"	2.50
3"	5.00-7.50

**Helen Bromley (Taurus x Tokai)**—Green, yellow and brown.

1½"	1.50
2"	2.50

**Taurinum x T. Kodama**—Deep purple. Taurinum type.

c/p	7.50
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**Owen x T. Kodama**—Bronze, red, yellow, lavender.

1½"	1.50
2"	2.50
3"	3.50-5.00

**Owen x Taurinum**—Very dark large flower.

1½"	1.50
2"	2.50
2"	3.50

**Lester McCoy x Taurinum**—Deep lavender bronze.

c/p	7.50
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**T. Shioi x T. Kodama**—Deep lavender bronze to yellow.

c/p	7.50
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**T. Kodama x Alice Spaulding**—Green to yellow. Taurinum shape.

c/p	7.50
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**Sander's Crimson x T. Shioi**—Deep lavender purple, large flower.

c/p	7.50
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**Caesar x T. Shioi**—Yellow to white base, flushed dark lavender.

c/p	7.50
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**Helen Bromley x Taurinum**—Very dark lavender. Taurinum type.

c/p	7.50
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**Kauai (Taurinum x Superbiens)**—Pink lavender, long spikes.

Flowering size	20.00
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**Bali x Shibata**—Very dark lavender-purple.

2"	2.50
3"	5.00
5"	12.50

## GROUP V—Dendrobium Hybrids

The feature parent here is Dend. Undulatum. This species imparts wavy or undulated sepals and petals, long sprays, and exceptional plant vigor. Many beautiful things in this section.

**Undulatum x 442nd Infantry**—Very dark flower, wine-lavender, large.

c/p	7.50
1½"	1.50
2"	2.50
5"	12.50

**Owen (Sander's Crimson x Undulatum)**—One of the finest hybrids ever produced. Large range of color from lavender to bronze flush to reds.

1½"	1.50
2"	2.50
3"	3.50-5.00

Selected 8" 35.00

**Momi Fujimoto (Louis Bleriot x Undulatum)**—Wine-lavender to deep purple-blue.

1½"	1.50
7"	20.00

**Superbiens Goldei x Helen Bromley**—Bronze-lavender to yellow and blue.

1½"	1.00
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**Superbiens Goldei x Undulatum**—Lavender bronze to yellow.

1½"	1.00
2"	2.50

**Hazel Joseph (Kukui x Undulatum)**—Fine thing. Buff, apricot, blue, lavender.

1½"	1.00
2"	2.50

**Mildred Kazumura x Undulatum**—Principally yellow and bronze.

1½"	1.50
2"	2.50
3"	5.00

**May Neal x Undulatum**—Sure to produce fine things. Yellow and bronze.

c/p	7.50
1½"	1.50

**Alice Spaulding (Undulatum x Tokai)**—Green gold, very striking.

1½"	1.50
2"	2.50
3"	5.00

**Hula Girl (Hawaii x Undulatum)**—Very dark colors with gold and bronze flush.

1½"	1.50
2"	2.50

**Undulatum x Johannis**—Chocolate-brown to deep yellow.

c/p	7.50
1½"	1.50

**Aileen Lang x Shibata**—Of great promise, green to gold-bronze.

c/p	7.50
1½"	1.50

**Aileen Lang x Undulatum**—Deep golden yellow, flushed dark purple.

c/p	7.50
1½"	1.50

**Aileen Lang x Helen Bromley**—Similar to above, large flower.

c/p	7.50
1½"	1.50



## Group V—Dendrobium Hybrids (Cont'd)

<b>Aina Haina (Shibata x Helen Bromley)</b> —Large flower, various shades of yellow.	c/p	7.50
	1½"	1.50
	3"	5.00
	4"	8.50
<b>Hula Girl x Undulatum</b> —Golden bronze, flushed deep purple.	3"	5.00
	4"	8.50
	5"	12.50
<b>100th Battalion x Hula Girl</b> —Very dark purple bronze.	3"	5.00
	4"	8.50
	5"	12.50
<b>442nd Infantry x Hula Girl</b> —Dark purple to blue and bronze.	3"	5.00
	4"	8.50
	5"	12.50
<b>Ursula (Undulatum x Veratrifolium)</b> —Yellow to brown, exceptional production.	4"	7.50
	Flowering size	15.00
<b>T. Kodama x Undulatum</b> —Yellow, bronze, to salmon.	c/p	7.50
	1½"	1.50
	2"	2.50
	3"	3.50-5.00
	5"	12.50
<b>Lester McCoy x Undulatum</b> —Dark lavender to lavender-bronze.	3"	5.00-7.50
	4"	8.50
<b>Ethel Kawamoto (Shibata x Undulatum)</b> —Long spikes golden yellow. Striking.	8"	25.00
<b>Undulatum x Helen Bromley</b> —Golden yellow, large size.	3"	5.00
	5"	15.00
<b>100th Battalion x Undulatum</b> —Peach, yellow, salmon.	1½"	1.50
	2"	2.50
	3"	5.00-7.50
	5"	12.50
<b>Tokui (Kukui x Tokai)</b> —Unusual bronze shades of lavender.	3"	3.50-5.00
<b>Kukui (Moschatum x Undulatum)</b> —Wine-red lavender. Excellent production. Much like superbien Goldei.	Flowering size	15.00
<b>Hula Girl x Taurinum</b> —Very dark purple, large size.	2"	2.50
	3"	5.00
	4"	10.00
	5"	15.00
<b>Hula Girl x Shibata</b> —Dark Purple to lavender-bronze and yellow.	2"	2.50
	3"	5.00

## GROUP VI—Dendrobium Hybrids

Here we feature Dend. Gouldii. These plants are proving more valuable all the time. Compact, sturdy plants of tremendous vigor and flower production. Many of them show intense color. A fine new section.

<b>Ursula x Gouldii</b> —Never have we seen greater vigor. Yellows and bronze. Beautiful sprays.	5"	8.50
	7"	12.50
<b>Gouldii x Paul</b> —Yellow with red bronze overflush.	2"	2.50
	3"	4.00
<b>Taurus x Gouldii</b> —Bronze to yellow with dark tips.	1½"	1.00
	2"	2.50
	3"	5.00
	4"	8.50
	5"	12.50
<b>Owen x Gouldii</b> —Lavender-bronze to yellow.	3"	5.00
	4"	8.00



Dendrobium Gouldii

<b>Gouldii</b> —The famous species from seed. Yellow with chocolate tips on petals.	1½"	1.50
	2"	2.50
	3"	3.50-5.00
	4"	7.50
<b>Brisbane x Gouldii</b> —Dark lavender to blue-purple.	2"	2.50
	3"	5.00
	4"	8.00
<b>Grace Goo (Gouldii x Shibata)</b> —One of the finest new hybrids. Deep yellow with dark chocolate tips.	1½"	1.50
	2"	2.50
	3"	5.00-7.50
	4"	7.50-10.00
	5"	15.00
	7"	20.00
<b>Gouldii x T. Kodama</b> —Yellow to yellow-bronze.	1½"	1.50
	2"	2.50
	3"	5.00-7.50
	4"	10.00
	5"	12.50
<b>Gouldii x (Undulatum x D'Albertsii)</b> —Yellow to bronze, large flower.	4"	10.00
<b>Alice Spaulding x Gouldii</b> —Deep yellow-green.	2"	2.50
<b>Queensland x Gouldii</b> —Dark lavender to bronze flush.	2"	2.50
	3"	5.00
<b>Gouldii x Merbellianum</b> —Dark green-yellow flushed brown.	3"	5.00
	4"	8.50
<b>Helen Bromley x Gouldii</b> —Large size golden yellow.	1½"	1.50
	2"	2.50
	3"	3.50-5.00
	5"	12.50
	7"	20.00
	8"	25.00

**Dendrobium Spectabile** (Parent of **Dendrobium Woodlawn**)

**Joan Tani (Sander's Crimson x Gouldii)**—A fine new hybrid. Lavender to red bronze. 1½" 1.50  
2" 2.50  
3" 5.00-7.50

**Louisea x Gouldii**—Blue to deep lavender. 1½" 1.50  
2" 2.50  
3" 3.50-5.00

**100th Battalion x Gouldii**—Yellows and bronze. 1½" 1.50  
2" 2.50  
3" 5.00

**GROUP VII—Dendrobium Hybrids**

A new section this year. Dend. Toftii is the feature parent. Produces very large flowers with a big wide lip. Shape similar to **Taurinum** hybrids.

**Mildred Kazumura x Toftii**—Deep lavender to blue-lavender. c/p 7.50

**Caesar x Toftii**—Very large flower, white flushed pastel. c/p 7.50

**Blue Boy x Toftii**—Principally blue to blue-lavender. c/p 7.50

**GROUP VIII—Dendrobium Hybrids**

This features the new Dend. Schuleri hybrids. Very large flowers, heavy texture, beautiful bronze colors. A very fine new section.

**May Neal x Shibata** — Exceptionally large yellow to green. c/p 7.50  
1½" 1.50  
2" 2.50

**Beach Girl x Taurinum**—Deep lavender-bronze to dark purple. 1½" 1.50

**May Neal x Taurinum**—Similar color to above. 1½" 1.50  
2" 3.00

**GROUP IX—Dendrobium Hybrids**

We feature here Dend. Janice Tanaka, the best hybrid raised to date from the rare species, Dend. Aeries. Shape similar to **Taurinum** but deep green and yellow flush black-purple. These will produce some fine new green and yellow hybrids of quality.

**Undulatum x Janice Tanaka**—Yellow and green. 1½" 2.00  
2" 3.00  
3" 3.50-5.00

**Shibata x Janice Tanaka**—Yellow and green. 1½" 2.00  
2" 3.00  
3" 3.50-5.00

**Janice Tanaka x Self**—Quite variable, should produce some beautiful new segregations. c/p 10.00  
1½" 2.00  
2" 3.00  
3" 3.50

**Taurinum x Janice Tanaka**—Deep bronze color. c/p 10.00  
1½" 2.00  
2" 3.00

**Strattokai x Janice Tanaka**—Green to yellow, flushed purple. 1½" 2.00  
2" 3.00  
3" 3.50-5.00

**T. Kodama x Janice Tanaka**—Peach to pale yellow. c/p 10.00  
1½" 2.00  
2" 3.00  
3" 3.50

**T. Shioi x Janice Tanaka**—Very dark bronze-yellow. c/p 10.00

**Hawaii Nui x Janice Tanaka**—Deep lavender-bronze. c/p 10.00

**442nd Infantry x Janice Tanaka**—Dark purple to yellow-bronze. 1½" 2.00  
2" 2.50  
3" 5.00

**Alice Spaulding x Janice Tanaka**—Deep green. c/p 10.00

**GROUP X—Miscellaneous Dendrobium Hybrids**

**Woodlawn (Spectabile x Atroviolaceum)**—A very rare and bizarre hybrid of **Spectabile** type. 1½" 2.00  
2" 3.50  
3" 5.00

**Tamagawa (Cybele x Lady Colman var. King George, F.C.C.)**—A deep yellow nobile type. 3" 7.50  
4" 10.00

**Tamagawa x Thwaitesiae**—Another fine yellow nobile type. 1½" 1.00

**Dearei**—Similar to **Nelly Sanders** (see p. 22), but slightly smaller. 4" 10.00  
5" 15.00

**Dendrobium Dearei**





Dendrobium Nelly Sanders

**Group X—Miscellaneous Dendrobium Hybrids (Cont'd)**

<b>Nelly Sanders (Dearei x Formosum)</b> —A beautiful white flower. Flowers in two's and three's and looks like white ginger. Flowers last in perfection for months.		
Fine cut flower.	2"	2.50
	3"	5.00
	3½"	7.50
	4"	10.00
	5"	15.00

**DIACRIUM**

A genus closely allied to Cattleya and Epidendrum, sometimes interbred. Culture as for Cattleyas but with more light and a pronounced resting period.

**Bicornutum (West Indies)**—The best of the genus. Lovely white flowers of perfect shape on long spikes. Summer.

Flowering size logs 10.00

**Bilamellatum (Central America)**—A much smaller edition of the above. Flowers often cleistogamous.

Flowering size logs 2.50

**C. Granulosa x D. Bicornutum**—Speculative cross, fine shape, heavy texture. Flowers green to yellow.

1½"	1.50
2"	2.50
3"	5.00

**Epidiacrium Gattonense (D. Bicornutum x E. Radicans)**—Reed stem type. Flowers larger than radicans. Orange in color with yellow and red spots.

Flowering size 3.50

**DORITIS**

Closely allied to Phalaenopsis. Culture similar. However, they require more light and less water.

**Pulcherrima (Chochin China)**—Late summer. Lovely soft rose color flowers on long spikes. 6" 15.00

**HAWAIIAN REED STEM HYBRIDS**

Hawaii has bred a rainbow of colors in these lovely subjects. Will grow as pot plants to perfection. Lovely large heads of tiny flowers in wonderful pastel colors. Everyone should have some plants as they are constantly in flower.

Colors: Pink, Fuschia, orange, lavender, yellow, cream, red, rose, dusty rose, coral rose. 4-5" 2.00

White 4-5" 3.50

**EPIDENDRUM**

A most diverse genus of plants from the new world, of very easy culture. They require similar conditions to Cattleyas but more light. They are divided into two distinct groups. Reed stem types and those with psuedo bulbs.

**Alatum (Guatemala)** — Summer. Psuedobulbous type, stems terminal, long spikes of green-brown flowers.

Flowering size logs 5.00

**Boothii (Mexico)**—Psuedobulbous miniature. Straw yellow flowers.

Flowering size logs 2.50

**Ciliare (Tropical America)**—Fall and winter. Psuedobulbous growth like Cattleya. Lovely green and white flowers.

Flowering size logs 2.50-5.00

**Falcatum (Mexico)** — Very distinct, pendulous, flowers 3½-4" or more across. Greenish white.

Flowering size logs 2.50

**Mariae (Mexico)**—Beautiful little plant. Psuedobulbous. Large sepals and petals olive green, large white lip.

5" 5.00

**Nocturnum (West Indies)**—Reed stem. Sepals and petals greenish white. Fragrant, particularly at night.

6" 3.50

**Radicans (Central America)** — Reed stem. Bright orange flowers of very easy culture. 4" 2.50



Hawaiian Reed Stem Epidendrum Hybrids



Grammatophyllum Scriptum

**Radicans var. Braceyi**—A much improved type of the above. Flowers deep red orange. 4" 3.00

**Radicans var. Boyelei**—A fuschia colored form. 4" 3.00

**Sacutum (Puerto Rico)**—Reed stem. Lovely heads of tiny lavender flowers. 4" 2.50

**Sacutum x Radicans var. Boyelei**—A fine new hybrid. Good heads of coral rose, to tomato red. 5" 3.50

**Schumanianum**—The best of all the reed stem types. Blue, orange, brown flowers, large racemes. Baskets 4" 25.00

**Stamfordianum (Honduras)**—Distinct type with spikes from base of pseudobulbs. Straw yellow, marked red. Flowering size logs 5.00

**Tampense (Tropical America)**—Small pseudobulbs, many flowered spikes of yellowish brown flowers. Flowering size logs 2.50

**Betty Mae x Oncidiodes**—Two lovely parents crossed to produce a free flowering yellow to bronze hybrid. 2" 2.00  
3" 4.00

**Atropurpureum Rosea x Selligera**—Two of the finest deep purple species with large flowers as parents. 3" 5.00  
4" 7.50

**Cinnabarinum (Brazil)**—A very superior reed stem type with tremendous large heads of brilliant orange flowers. 4" 3.50  
5" 5.00

**EPI. Prismatocarpum x L. Flava**—Deep yellow with purple spots. Fine hybrid 3" 7.50

## EPI. CATTLEYA

Hybrids between Epidendrum and Cattleya.

**Orpetii (C. Amethystoglossa x E. O'Brienianum)**—Reed stem, lovely deep fuschia colored flowers. 3½" 3.50

## GRAMMATOPHYLLUM

A large genus of orchids closely allied to Cymbidiums widely found over the Pacific region. Culture as for Cymbidiums except they should be potted in either osmunda or Hawaiian tree fern.

**Scriptum (Philippines)**—Long spikes of green and brown flowers closely set on the stem. A most striking specimen plant. 7.50–15.00

Baskets 25.00–35.00

**Speciosum (Java)**—The giant orchid. Bulbs up to eight feet, large flowers, chocolate brown and cream.

Divisions 25.00

## ERIA

A genus that is very polymorphic. Principally from the Philippine Islands. Culture as for Oncidiums, except the one terrestrial species we offer which should be handled as for Sobralias.

**Convallarioides**—Long spikes of small white flowers that resemble Lily-of-the-Valley. Fragrant, very charming pot plant. 4–5" 5.00

**Ornata**—Round bulbs with several heavy green leaves. Long spikes with brilliant orange bracts.

On logs 7.50

**Species Unidentified**—Upright stems with beautiful foliage. Flowers closely set in the leaves, white with yellow. Terrestrial. 4–5" 5.00

## LAELIA

Closely allied to Cattleyas and truly one of the best genera. Culture same as for Cattleyas but more light.

**Albida (Mexico)**—Winter. White flushed sepals and petals, lovely shaped little flowers.

Flowering size logs 3.50

**Anceps (Mexico)**—Winter. One orchid that should be in every amateur collection. Long spikes with 2–6 large lavender flowers. Of the easiest possible culture.

Flowering size logs 2.50–5.00

Racks 5.00–7.50

**Anceps Alba**—The white form of the above.

Flowering size logs 7.50–10.00

**Anceps var. Sanderiana**—White with purple lip. A lovely type, exceptionally large flowers. 1½" 1.00

**Anceps var. Veitchiana**—White with blue lip.

Flowering size logs 10.00

**Amoena (Anceps x Pumila Praestans)**—A Laelia hybrid of exceptional shape and color. Dark lavender.

1½" 1.50

2" 2.50

3" 4.00

**Autumnalis (Mexico)**—Fall. Long spikes, 3–7 large rose-colored flowers. Flowering size logs 3.50

**Autumnalis Alba**—Pure white form of the above.

Flowering size logs 5.00–7.50

**Gouldiana (Mexico)**—Similar to Autumnalis but much darker in color. Winter flowering.

Flowering size logs 5.00

**Lundii (Brazil)**—A lovely miniature with soft pink-lavender flowers. Flowering size logs 3.50

**Peduncularis (Mexico)**—Dwarf. Long spikes. Rose-lavender flowers of exquisite shape.

Flowering size logs 3.50

**Superbiens (Mexico)**—The giant of the genus, spikes to 6'. Flowers large, rose colored.

Flowering size logs 5.00



**LAELIOCATTLEYAS**

Hybrids between *Cattleya* and *Laelia*. Of a stronger constitution than *Cattleyas* and usually of more intense color. Culture as for *Cattleyas*.

**LC. Interbrosa x L. Xanthina**—Deep orange to bronze. Heavy texture. Flowers small with many to a spray.

1½"	1.25
2"	2.50

**LC. Cabazon x C. Amethystoglossa**—A cluster type of great promise. Lavender with darker spotting. Good shape and texture.

1½"	2.00
2"	3.00

**C. Granulosa Schofieldiana x LC. S. J. Bracey**—Deep green to bright yellow. Very heavy texture. Red lip.

1½"	2.00
2"	3.00
3"	5.00

**C. Harrisoniana x LC. Bodicea var. Regina**—An LC. of the finest possible shape, lavender rose, heavy texture.

1½"	1.25
2"	2.25
3"	4.00

**L. Crispa x LC. Yasmin Bronze var.**—Many flowers to a spike. Color hard to predict, probably great range, lavender, peach, yellow, bronze.

1½"	1.25
2"	2.25
3"	4.00

**C. Guatemalensis x L. Flava**—A cluster type of bright golden yellow, flowers size of *C. Skinneri*.

1½"	1.75
2"	2.50

**LC. Issy (L. Tenebrosa x C. Guttata)**—Deep red brown, very heavy texture, free flowering.

3"	5.00
4"	7.50

**C. Tityus x LC. Lady May**—A very dark lavender of the LC. Sargon type. Large flowers, fine shape.

1½"	1.50
2"	2.50
3"	4.00
4"	6.50

**C. Granulosa x LC. Nuuanu**—Deep yellow to green, large size, very heavy texture.

1½"	2.00
2"	3.50
3"	5.00
4"	8.50

**LC. Autumn Blush (L. Autumnalis Alba x C. Mary Bea Ireland)**—A most unusual combination. Long spikes, fine shape flowers white to pale pastel.

2"	2.00
4"	8.00



**Laeliocattleya Autumn Blush**



**Cattleya Guttata var. Leopoldi (Parent of C. Guttata Leopoldi x LC. Calizona)**

**C. Trianae var. Coerulea x LC. Dulce**—A blue lavender flower on long spikes like *L. Anceps*.

1½"	1.50
2"	2.50
3"	4.00
4"	6.50

**C. Ardmore Alba x LC. Gatton Glory**—Cream yellow to white with dark purple lip.

2"	2.50
3"	4.00
4"	6.50

**C. Okami x LC. Integrity**—Fine shape, beautifully colored flowers, many having splashed petals giving the effect of three lips.

4"	8.00
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**LC. Hawaiian Sunset (C. Bicolor x LC. Calizona)**—A true sunset of colors, red, yellow, bronze. Heavy texture and fine shape.

2"	3.50
3"	5.00
4"	8.50
5"	12.50

**LC. Biceps (L. Anceps x C. Bicolor)**—A lavender bronze on long spikes like a giant *Anceps*.

2"	2.50
3"	4.00

**LC. Opalesque (C. Bicolor x LC. Nugget)**—A truly beautiful bronze color with rich red lip. Exceptional texture.

4"	12.50
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**LC. Isotta (C. Bicolor x LC. Sargon W'birt var.)**—A deep lavender bronze of wonderful size and shape.

1½"	2.00
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**C. Guttata Leopoldi x LC. Calizona**—Yellow to green, spotted purple. Many flowers to a spike.

1½"	2.00
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**LC. Dorothy Fried Compacta x LC. Sargon Majestic**—A truly fine exhibition type of deep lavender color.

2"	3.50
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**C. Hesperous x LC. Eve var. Radiance**—Very dark lip, wide sepals and petals. Fine exhibition type.

2"	2.50
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**L. Superbiens x Schomburgkia Undulata** — A novelty. Long sprays up to 4', heads of 10-20 flowers chocolate-brown to lavender-bronze, curled and wavy.

4" 7.50  
5" 12.50

**LC. Chitose Kodama (LC. Dorothy Fried x C. Jicarillo)**—A proven cross of fine merit, beautiful shape. Lavender sepals and petals with a deep purple lip. Fall, early winter.

3" 7.50-10.00  
4" 15.00

**LC. Mimbreno x Sam Houston**—A fine quality exhibition type. Dark lustrous lip. Fall and winter season.

1½" 1.50  
2" 2.50  
3½" 7.50  
4" 10.00

**LC. Yoshiko Kodama (C. Gen. Pultney x LC. Balkis var. Superba)**—A new hybrid of superb quality. Fine, shaped large lavender flowers of deep color. A prize winner.

4" 15.00

**LC. Christine Kodama (LC. Sam Houston x C. Tityus W'Birt var.)**—Another of the newer hybrids of great merit. Deep rose-lavender. Fine shape and texture.

1½" 1.50  
2" 2.50  
2½" 3.50  
3" 5.00  
4" 10.00

**LC. Iolani (LC. Lady May x Dorothy Fried)**—Very fine exhibition type. Lavender, large excellent shape.

3" 5.00

**LC. Christine (C. Triumphans x LC. Canberra "Stonehurst")**—A beautiful yellow or orange with deep red lip.

3" 7.50-10.00

**LC. Hanalei (LC. Dorothy Fried x C. Dinah, A.M.-R.H.S.)**—A proven exhibition type. Beautiful shape, bright rose-lavender.

3" 5.00  
3½" 8.00

**LC. Thora—Lindora x LC. Hilo**—Large Sargon type. Dark color. Fall and winter.

1½" 1.50  
2" 2.50

**C. Gigas x LC. Edith Wilkie**—Large bright lavender. Exceptional production. Summer and Fall.

1½" 1.50  
2" 2.50  
2½" 3.50  
4" 5.00

**LC. Tuscan x C. Gigas**—Very heavy texture and intense dark lavender color. Fall flowering.

1½" 1.50  
2" 2.50  
3" 4.00

**(LC. Ettrick x LC. Gen. Maude var. Victory) x C. Dowiana Aurea**—Expect some exceptional yellows and bronzes of large size with full lips. Summer and fall.

1½" 1.50  
2" 2.50

**LC. Britannia Alba x C. Estelle Alba**—Hard to predict. Probably pale pastel sepals and petals with dark lip, possibly some albas.

1½" 1.50  
2" 2.50  
2½" 3.50  
3" 5.00

**LC. Lustre W'Birt var. x LC. Tuscan**—A very dark, heavy textured exhibition type.

1½" 1.50  
2" 2.50

**LC. Tuscan x LC. Balkis var. Superba**—Both this and the above cross are outstanding. The Tuscan is as dark as they come. The other two parents are proven studs of great merit.

1½" 1.50  
2" 2.50

**C. Tityus x LC. Amneris**—Another hybrid that will take plenty of blue ribbons in future shows. A lavender of great quality.

1½" 1.50  
2" 2.50

**LC. Seaforth (LC. Locarno x C. Intertexta)**—A proven hybrid of fine quality. Light rose, heavy texture, fine shape.

5" 17.50

**LC. Sargon x LC. Sunburn**—A yellow-lavender combination that should produce a deep bronze-lavender of fine proportions.

1½" 2.00  
2" 3.00

**LC. Mysedo var. Miya x LC. Dorothy Fried Compacta**—Finer parents would be hard to obtain. A lavender of perfect shape and deep color.

1½" 2.00  
2" 3.50

**LC. Blanchette Alba x C. Hardyana Alba**—White sepals and petals with dark crimson purple lip. Excellent shape, heavy production.

2" 2.50

## LYCASTE

Every amateur collection should have at least one plant of these. Do not require much heat. Plenty of water during active growth. A decided rest period when dormant.

**Aromatica (Mexico)**—Winter. Fragrant golden yellow flowers. Smell like cinnamon.

4" 5.00

**Candida (Colombia)**—Spring. Pale green, rose markings.

4" 5.00

**Macrophylla (Central America)**—Winter. Olive-green, pink lip. Very large flowers. The best of all.

5" 5.00  
6" 7.50

## MILTONIA

We grow only those that can stand the warm climates. Closely allied to Oncidiums. They are beautiful plants. Grow in 50% shade, never dry them severely. Pot in osmunda. Cattleya house suitable.

**Flavescens (Brazil)**—Summer. Cream to yellow with lip marked deep purple.

5" 7.50

**Clowesii (Brazil)**—Large flowers. Golden brown, barred yellow. Lip white, marked violet-purple.

5" 10.00

**Blunti (Brazil)**—Lavender and white flowers of good size.

4" 7.50

**Spectabilis (Brazil)**—Large, flat flowers. White, rose flushed.

5" 7.50

**Moreliana (Brazil)**—Beautiful black-purple in color. Truly a magnificent species.

5" 10.00

**Flavescens x Clowesii**—A new hybrid that should produce a most interesting flower, probably golden brown in color.

1½" 1.50  
2" 2.50  
3" 4.00

**Festiva x Spectabilis**—Cream to light yellow with deep purple markings.

1½" 1.50  
2" 2.50  
3" 4.00

**Moreliana x Clowesii**—Dark purple-brown in color, large size. Should be quite beautiful.

1½" 2.00  
2" 3.50

## ONCIDIUM

A group of spray orchids that can lend charm to any collection. Called the dancing ladies, they are well named. Culture is very easy. Give plenty of water when in growth, a dry resting period, 25% shade. They appreciate feeding when growing.

**Altissimum (West Indies)**—Easiest of all to grow. Long spikes, carry hundreds of golden yellow flowers.

6" 5.00  
On logs 5.00

**Ampliatum**—Large, flat bulbs. Branched spikes of bright yellow flowers.

On rafts 7.50



**Oncidium (Cont'd)**

<b>Blanchetti</b> —Clear buttercup yellow, long spikes.		
	On logs	4.00
<b>Braceyanum</b> —Very large flowers, bright yellow.		
	5"	5.00
	6"	7.50
<b>Carthagansense</b> —Dainty pink-rose flowers on long spikes.		
	On logs	4.00
<b>Cheirophorum</b> —A miniature of great charm, bright yellow.		
	3"	5.00
	On logs	5.00-7.50
<b>Confusum</b> —Brown and yellow, tall upright spikes, vigorous grower.		
	6"	7.50
<b>Harrisonianum</b> —Miniature, golden brown flowers.		
	On logs	5.00
<b>Leuchochilum</b> —Long spikes. Green, brown and white.		
	On logs	7.50
<b>Panamanensis</b> —Brown and yellow, very long spikes.		
	On logs	5.00
<b>Ornithorynchum</b> —Dwarf, lavender flowers on dainty spikes.		
	4"	7.50
<b>Faye (Lanceanum x Maureen)</b> —Lanceanum color dwarf miniature plants. Most attractive.		
	2"	2.50
	3"	3.50
<b>Papilio x Kramerianum</b> —Huge brown butterfly-like flowers. Most interesting. Flowers freely. Better than either of the species.		
	3"	10.00
<b>Flexuosum</b> —Many-flowered, branched spikes. Yellow.		
	Flowering size	3.50-4.00
<b>Lanceanum</b> —Yellow, shaded green and spotted brown and purple. A fine species.		
	6"	7.50-10.00
	On logs	7.50
<b>Lanceanum x Brassia Braciata</b> —Most interesting generic hybrid of great promise.		
	2"	2.50

**PHAIUS**

**Grandifolius**—A beautiful terrestrial species. Compost same as for Cymbidiums. Plenty of heat and water and feed regularly. Large flowers, 4" across. Golden brown, purple lip and silver-white on back.

4" 5.00

**PERISTERIA**

**Elata**—The dove orchid. Terrestrial. Treat as you would Phaius Grandifolius. Lovely white flowers.

6-7" 7.50-10.00

**PHALAENOPSIS**

Among the most beautiful of all the spray orchids. They prefer about 50% shade, and should never be allowed to go completely dry. They grow well either in pots or baskets, potted soft with osmunda or Hawaiian tree fern. They are heavy feeders and should be fertilized regularly with nutrient solution. They seem to respond exceptionally well to the organic fish emulsion type of fertilizer. Temperatures should be even, not less than 60 degrees F. minimum, with 70% humidity. If the above conditions can be supplied, they are among the easiest of all orchids to grow. They reach maturity from seedlings very rapidly.

**Jane L. Kingsbury x Monique**—A very large, heavy textured white of beautiful round shape.

1½" 1.50  
2" 3.00  
3" 5.00

**Grandiflora x Nivea**—Perfection of shape in this cross. Pure white flowers, 3-4" across.

1½" 1.50  
2" 3.00

**Atala x Grandiflora**—A large-flowered white of beautiful shape.

2" 2.50

**Atala x Jane L. Kingsbury**—Exceptional size, white, very heavy texture.

2" 2.50



Miltonia Bluntii (See page 25)



Phalaenopsis Gilles Gratiot (Parent of Gilles Gratiot x Cherubin)

**Gilles Gratiot x Cherubin**—White on front, pink on reverse side. Large size, good shape.

Flowering size 7.50–10.00

**Leucorrhoda x Rimestadiana**—A smaller flower, round with very heavy texture, pink flush reverse side.

3" 2.50

**Jane L. Kingsbury x La Canada**—Exceptional size and texture, some flower up to 5". White.

1½" 1.50

2" 2.50

3" 5.00

Flowering size 7.50–10.00

**Cherubin x La Canada**—Similar to Gilles Gratiot x Cherubin, slightly larger flower.

Flowering size 7.50–10.00

**(Venustus x Versailles) x La Canada**—A fine big white.

3" 5.00

Flowering size 7.50–10.00

**San Marino [Gilles Gratiot x (Grandiflora x Gilles Gratiot)]**

An excellent white of proven quality.

1½" 1.50

2" 2.50

3" 5.00

**Casablanca (Gilles Gratiot x La Canada)**—Proven hybrid, white, very fine.

3" 5.00

Flowering size 7.50–10.00

**Jane L. Kingsbury (Elizabethae x Grandiflora)**—One of the best whites produced to date, exceptional production.

1½" 1.50

2" 2.50

3" 5.00

**Venustus (Elizabethae x Gilles Gratiot)**—Another white of fine quality, very heavy texture.

Flowering size 7.50–10.00

**Cherubin (Schilleriana x Elizabethae)**—Light pink, beautiful round shape.

2" 2.50

3" 5.00

Flowering size 7.50–10.00

**Jane L. Kingsbury x Gilles Gratiot**—A very large white, up to 5".

1½" 1.50

2" 2.50

3" 5.00

**Stuartiana**—A fine species, medium size. White, heavily spotted golden brown. Large branching spikes.

1½" 1.00

2" 2.00

3" 3.50

7" 10.00

**(Pink #44) x Jane L. Kingsbury**—We hope to produce a large pink here. The #44 has exceptional color. It is a Phal. Sanderiana hybrid, parentage unknown.

1½" 1.50

2" 2.50

3" 5.00

**Reve Rose x Schilleriana**—A dark pink of medium size and beautiful shape.

1½" 1.50

2" 2.50

**Atala x Doris**—Large white, very fine shape.

1½" 1.50

2" 2.50

## PLATYCLINIS

Plants of graceful habit that should be in every collection. They will grow well along with Cattleyas. Plenty of water when growing, a decided rest thereafter. Called the chain orchid.

**Cobbianum (Philippines)**—Fall. Yellow with red lip. Long chain spikes.

5" 5.00

6" 7.50

**Filiformis (Philippines)**—Spring. Deep golden chartreuse. Often referred to as the golden chain orchid. A very dwarf growing plant.

2½" 8.50

**Glumacea (Philippines)**—Spring. Yellowish-white. Fragrant, like new-mown hay.

5" 7.50

## RHYNOCOSTYLIS

A beautiful subject allied to Vandas. Grow as Vandas but give less light.

**Retusa**—White, spotted amethyst-purple with all-purple lip. Flowers densely set to form a natural lei.

7" 10.00

## RENANTHERA

A beautiful, brilliant and showy genus closely allied to Vandas. Culture as for Vandas but with as much light as possible.

**Coccinea (Burma)**—Large branched spikes, brick red.

Flowering size 7.50

**Imshootiana (Burma)**—Dwarf plant, bright vermillion red.

Flowering size 10.00

**Storiei**—Large plant, huge spikes of deep blood red.

1½" 1.50

2" 2.50

Flowering size 15.00

## SACCOLABIUM

A fine genus allied to Vanda. Plenty of light, good drainage, lots of water when growing. Even when dormant, they should not be completely dry.

**Giganteum (Burma)**—Large flat leaves, spikes of closely-set pink and white flowers.

8" 12.50

## SCHOMBURGKIA (West Indies)

Allied to Laelias, culture the same. Give plenty of light. Do not disturb by potting more often than necessary.

**Luddemaniana**—Deep bronze-brown, beautifully curled and waved. Long spikes with 12–15 flowers.

Flowering size logs 7.50

**Undulata**—Long spikes, purple-brown flowers.

Flowering size 7.50

**L. Superbiens x S. Undulata**—Chocolate-brown to lavender-bronze.

4" 7.50

5" 12.50

**C. R. Prowe x S. Luddemaniana**—A pure white Cattleya crossed with the lovely Luddemaniana. Probably yellow to gold-brown color.

1½" 1.50

2" 3.50





Spathoglottis Primrose

## SOBRALIA

Very fine terrestrial orchids allied to Cattleyas which the flowers resemble. The flowers last one day but the plants flower over a long period of time. Pot in ½ soil, ½ old osmunda. Water and fertilize regularly. They should never get dry.

**Leucoxantha (Panama)**—Beautiful, large white flowers with a lemon-yellow throat. 8-9" 12.50

**Bouchii (Panama)**—Similar to the above but of smaller habit. 6-7" 8.50

## SPATHOGLOTTIS

Terrestrial orchids of great beauty. They make beautiful pot plants. Large plicated leaves with heads of flowers on long stems. Culture as for Sobralias but about 25% shade.

**Elmeri x Plicata Alba**—Lovely rose gold-bronze. Makes lovely little pot plants. 4" 2.50

**Primrose (Aurea x Plicata)**—Deep magenta-purple with cream-white tips to the sepals and petals. 4" 5.00

## STANHOPEA

The flowers of this remarkable genus are large and very showy, of waxlike substance. They are often very fragrant. The plants grow best on logs as the flower spikes grow down. Never plant in a pot. When in growth, they require abundant watering. Drier when dormant.

**Grandiflora (Mexico)** — Giant maroon-red and yellow flowers. Logs 10.00

**Bucephalis (Central America)**—Tawny yellow to orange with crimson-purple spots. Logs 5.00-7.50

## STAUROPSIS

Closely allied to Vandas, culture the same.

**Fasciata (Burma)**—Heavy-textured flowers on short spikes. Deep tan with lighter-colored bearing a curious cross shaped lip. 6" 10.00

**V. Dearei x S. Fasciata**—A new generic combination that shows much promise. Large cream-yellow flowers.

4" 10.00

5" 12.50

6" 15.00

7" 17.50



Trichoglottis Philippinense var. Braciata

## TRICOPELLIA

Very pretty plants. They like light and should be shaded only during summer. Pot in osmunda. When growing, give plenty of water; less when dormant.

**Suavis**—Large fragrant flowers. White, spotted pale rose. 5" 5.00

**Unidentified Species**—Green sepals and petals, white lip, orange and red in throat. 4" 5.00

## TRICHOGLOTTIS

A very striking genus from the Philippines allied to Vandas. Culture the same.

**Philippinense**—Tan yellow with a white lip.

Flowering size logs 5.00

**Philippinense var. Braciata**—Black-purple. Very fine.

Flowering size logs 10.00



Stauropsis Fasciata



Trichovanda Ulaula

## TRICHOVANDA

Hybrids between Vanda and Trichoglottis. The only one flowered to date is the one we offer. A very rare hybrid and most beautiful. A collector's item.

**Ulaula (T. Braciata x V. Sanderiana)**—Beautiful brick-red flowers of heavy texture. Price on application

## TRIGONIDIUM

A curious genus that looks much like Masdevalia except that it will grow in warm conditions. Culture as for Oncidium.

**Semanii (Central America)**—Single tan flowers on long stems with violet-blue lip. Many flowers per plant.  
Flowering size logs 2.50

## VANDA

A truly handsome genus distributed throughout the Pacific and Asia. In habit they resemble the Aerides. Culture as for Aerides.

**Dennisoniana (Burma & India)**—Green-yellow flowers of heavy texture. 6" 10.00

**Merrillii (Philippines)**—Deep Chinese-lacquer red flowers. Very fragrant. 6" 10.00–15.00

**Roeblingiana (Philippines)**—Red-brown, striped yellow. Curious three-lobed, fimbriated lip. 6" 10.00

**Suavis (Java)**—Flowers white, spotted blue-purple, lip rose-purple. Flowering size 10.00–15.00

**Tricolor (Java)**—Similar to Suavis. Flowers yellow to cream, spotted red-brown, magenta-purple tip. Flowering size 10.00–15.00

**Dearei (Java)**—Large cream-yellow flowers flushed tan, bright yellow. 6" 15.00

**Luzonica (Luzon)**—White, flushed magenta-purple, purple lip. Flowering size 10.00–15.00

**Spatulata (Ceylon)**—Bright canary-yellow flowers, small but round as a dollar. A beautiful subject. 6" 7.50

**Teres—(India)**—Terete growth. Spring flowering. Grow inside in pots during winter. After danger of frost is past, hang outside in full morning sun. Give lots of water at all times. Fertilize regularly.

12–18" stems, ea. 1.50

**Teres var. Andersonii**—Brilliant color—12–18" stems, ea. 3.50

**Teres var. Gigantea**—Largest flower—12–18" stems, ea. 3.50

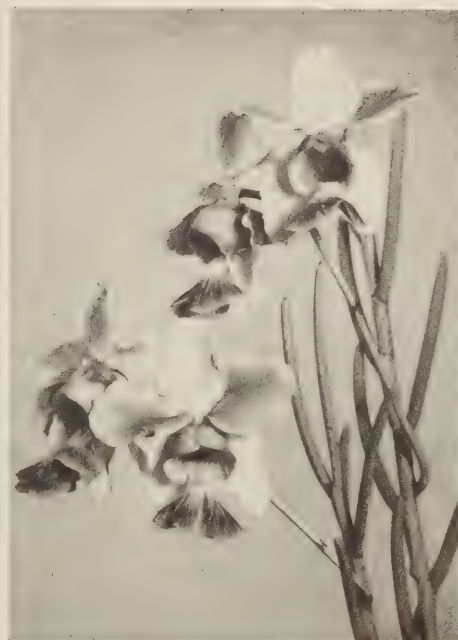
**Teres var. Grandiflora**—Beautiful shape—12–18" stems, ea. 3.50

**Teres var. Candida**—Pure white—12–18" stems, ea. 10.00

## ZYGOPETALUM

**Mackayii (Brazil)**—Autumn. Most unusual colors—white and purple, lined with violet purple. Very fragrant. Culture as for Cymbidiums.

Flowering size 5.00



Vanda Teres





*Vanda Sanderiana*



Vanda Tatzeri



Vanda Ohuohu

## VANDA HYBRIDS

We are indeed proud to offer this very complete listing of these fine hybrids. They, along with our Dendrobium hybrids, make Hawaii famous. The response from the public to these magnificent orchids at shows all over the world, the blue ribbons they win, the acclaim from tourists who see them here in Hawaii, all prove our previous statements that Vandas are on the threshold of great acceptance. We know of no other group of orchids that has made such rapid strides of improvement as have Hawaiian Vandas and Dendrobiums in the last ten years.

**Culture:** Strap leaf Vandas are of easy culture in temperate greenhouses. Temperature requirements are the same as for Cattleyas; namely, 58 degrees F. to 80 degrees F. Higher day temperatures will not harm them. They require as much light as you can give them without foliage burn. Obviously, such light intensity will vary from region to region. They are heavy feeders and should be fertilized regularly. Any good complete nutrient solution

recommended for orchids will do. They like light buoyant air, but should have at least 60-70% humidity. Potting can be done either in pots or slatted baskets. Use osmunda of hard fiber type in pieces or Hawaiian tree fern. Do not pot hard. Be sure they drain quickly. They want to be watered frequently, but to dry quickly. Obviously, hard potting is not conducive to this.

In tropical regions where the temperature does not fall below 60 degrees, these plants can be grown outdoors. Give full morning sun, 50% shade after noon. Fertilize, water frequently. Pot as described for temperate regions.

All of our plants are grown hard. It is best to pot them on to the next size pot when you receive them. Vandas benefit by oversizing. They do not like to be underpotted.

For your convenience we are grouping the plants into categories that will help you to better understand their potential.





Vanda Honolulu

### GROUP I—Vanda Hybrids

This consists of varieties that are of proven merit. They can be purchased with complete confidence of the result to be obtained. All of our strains are made with outstanding parent plants. For both the amateur and the commercial cut-flower grower, these plants offer the best buy for your money.

**Fair Queen (Clara S. Fisher x Rothschildiana)**—A new hybrid, quite variable as to color and shape. The best of them are tops. Pink, blue, and rose color, large flowers.

2"	3.00
3"	6.00
4"	10.00

**Manila (Luzonica x Sanderiana)**—A proven pink of beautiful shape. Amazing production and easy culture. Flowers 4-5" on spikes of 12-15 flowers. Shape round and flat.

c/p	10.00
1½"	1.50
2"	3.00
3"	6.00
4"	10.00
5"	15.00
6"	17.50
7"	20.00

Selected flowering plant 35.00

**Cherub (Puna x Sanderiana)**—So named because it is round and pink. A fine, new hybrid quite similar to Manila but a lighter shade of baby pink.

1½"	1.50
2"	3.00
3"	6.00
5"	15.00

**Joan Swearingen (Luzonica x Rothschildiana)**—Variable, pink, blue. Large size.

5"	12.50
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**Waikiki (Boschii x Sanderiana)**—Fine shape. A combination of pink and red with yellow to brown background.

1½"	1.50
2"	3.00
5"	15.00

**Tatzeri (Tricolor x Sanderiana)**—Large flowers, rose-brown. Very free flowering.

1½"	1.50
3"	5.00
4"	8.50
5"	12.50

**Honolulu (Frank Scudder x Sanderiana)**—Variable but some exceptionally fine things. Wide range of colors including almost the rainbow.

c/p	10.00
1½"	1.50
2"	3.00
3"	6.00
4"	10.00

**Mary Foster (Merrillii x Sanderiana)**—One of the best. Round flat flowers, red to golden brown.

2"	3.00
3"	6.00
4"	10.00
5"	12.50
6"	15.00
7"	20.00
8"	25.00

**Alice Fukunaga (Mem. T. Iwasaki x Sanderiana)**—Very heavy texture and large round flowers. Yellow to buff with brown. Very fine.

1½"	1.50
2"	3.00
3"	6.00
4"	10.00
5"	15.00
6"	17.50
7"	20.00

**Gertrude Miyamoto (Mem. G. Tanaka x Sanderiana)**—Deep yellow to tan, fine shape and heavy texture.

1½"	1.50
2"	3.00
3"	6.00
4"	10.00
5"	15.00
6"	17.50
7"	20.00
8"	25.00

**Walter Dillingham (Emily Notley x Rothschildiana)**—A variable hybrid, large flowers. Wide range of colors, grey, blue, apricot, salmon, etc.

1½"	1.00
2"	2.00
3"	4.00
4"	8.50
5"	12.50

**Bill Sutton (Manila x Sanderiana)**—A superior new hybrid. Deep pink with heavier marking on the lower part of the flower. Very round, large size.

1½"	1.50
2"	3.00
3"	6.00
4"	10.00
5"	15.00
6"	20.00

**Walter Fujikami (Manila x Coerulea)**—A new blue, the first ever to rival the old favorite, V. Rothschildiana. Beautiful shape. Deep royal blue, with darker veining.

1½"	1.50
2"	3.00
3"	6.00
4"	10.00
5"	15.00
6"	20.00
7"	25.00

**Sandamo (Sanderiana x Amoena)**—A fine blue, good shape and quality.

c/p	10.00
1½"	1.50
2"	3.00
3"	6.00
4"	10.00
5"	15.00

**Ohuohu (Sanderiana x Clara S. Fisher)**—A Sanderiana type of great value. Much like the species but of very free flowering qualities. Buff to reddish brown. Large and flat.

c/p	
1½"	1.50
2"	3.00
3"	6.00
4"	10.00
5"	15.00
6"	20.00

**Rothschildiana (Coerulea x Sanderiana)** — Very large purple-blue, flat flowers of beautiful shape. A very fine thing. Still the most popular blue.

c/p	
1½"	1.50
2"	3.00
4"	12.50

Selected flowering 30.00-40.00

**Ellen Noa (Dearei x Sanderiana)**—Large round flower, buff to cream and yellow.

c/p	
1½"	1.50
2"	3.00
3"	6.00
4"	10.00
5"	15.00

Selected flowering 25.00-35.00

**Clara Shipman Fisher (Tatzeri x Sanderiana)**—Much like V. Sanderiana. Exceptional flowering record.

c/p	
1½"	1.50
2"	3.00
3"	6.00

**Afterglow (Insignis x Sanderiana)**—A new hybrid in red-brown. Heavy texture and round flat shape, large lip.

c/p	
1½"	1.50
2"	3.00

**Laukapu (Burgeffii x Sanderiana)**—A Sanderiana type, large size and good shape. Pink to rose brown.

c/p	
3"	6.00
4"	10.00
5"	12.50
6"	15.00
7"	20.00



Vanda Onomea



Vanda Ellen Noa

**Ernest Fujinaga (Caroline Robinson x Sanderiana)**—Large flat flowers the size of Mary Foster. Yellow brown spots. Free flowering.

c/p	
1½"	1.50
2"	3.00
3"	6.00
4"	10.00
5"	15.00
6"	20.00
7"	22.50
8"	25.00

**Chimy Walker (Flammerolle x Sanderiana)**—A variable hybrid in both shape and color, primarily blue or pink. Large flowers.

c/p	
1½"	1.25
2"	2.50
3"	5.00
4"	8.50
5"	12.50
6"	15.00
7"	20.00

**Carol Hirano (Gilbert Triboulet x Sanderiana)**—Blue to grey purple, round flat flowers.

c/p	
3"	6.00

**Onomea (Rothschildiana x Sanderiana)** — Large flat flowers, rose, mauve, blue. Some exceptional things in this hybrid.

c/p	
1½"	1.50
2"	3.00
3"	6.00
4"	10.00
5"	15.00
6"	20.00

**Kilohana (Manila x Rothschildiana)**—Another very fine new V. Manila hybrid. Blue, rose, mauve, to deep pink. Very fine shape.

c/p	
1½"	1.50
2"	3.00
3"	6.00
4"	10.00
5"	15.00
6"	20.00



**Group I—Vanda Hybrids (Cont'd)**

<b>Helen Paoa (Emily Notley x Sanderiana)</b> —Brown to tan yellow, good size and shape.	c/p	10.00
	1½"	1.50
	2"	3.00
	3"	6.00

<b>Honolii (Sanderiana x Herziana)</b> —Large flowers. Variable as to color and shape. Every color in the rainbow.		
	2"	2.50
	3"	5.00
	4"	8.50

<b>Henrietta Ho (Sanderiana x Sumatrana)</b> —Large flat flowers, yellow brown to buff red, fine shape.		
	1½"	1.50
	2"	3.00
	3"	6.00
	6"	15.00

<b>Venus (Paki x Sanderiana)</b> —Medium size. Green-yellow, red lip.	2"	2.50
	3"	5.00
	4"	8.50
	7"	15.00

<b>Sandcon (Concolor x Sanderiana)</b> —Very heavy texture, medium size flowers. Deep brick-red brown.		
	4"	6.00
	6"	7.50

<b>Merle Kawamoto (Charlana x Sanderiana)</b> —Pink and blue forms. Much like V. Manila in shape.	1½"	1.50
	2"	3.00
	3"	6.00

**GROUP II—Vanda Hybrids**

We have put together here crosses that involve a back cross of Sanderiana to already outstanding Sanderiana hybrids. These will be the prize-winning exhibition plants of tomorrow.

<b>Honolulu x Sanderiana</b> —Red to pink and salmon. Beautiful shape.	c/p	10.00
	1½"	1.50
	2"	3.00
	3"	6.00

<b>Ellen Noa x Sanderiana</b> —Buff to green with a rose overcast. Excellent shape and size.	c/p	10.00
	1½"	1.50
	2"	3.00
	3"	6.00
	4"	10.00
	5"	15.00
	6"	20.00

<b>Mary Foster x Sanderiana</b> —Deep red-rose to red-brown.	1½"	1.50
	2"	3.00
	3"	6.00

<b>Sanderiana x Henrietta Ho</b> —Heavily spotted, tan, brown, to pink.	1½"	1.50
	2"	3.00
	3"	6.00
	4"	10.00

<b>Sanderiana x Onomea</b> —Sanderiana type, but very deep color. Should prove outstanding.	1½"	1.50
	2"	3.00
	3"	6.00

<b>Sanderiana x Ohuohu</b> —Very similar to Sanderiana but no fixed season and more than one flowering annually. Better than the species.	1½"	1.50
	2"	3.00
	3"	6.00
	4"	10.00
	5"	15.00
	6"	20.00

**Walter Dillingham x Sanderiana**—Variable, probably many colors, salmon, apricot, pink, blue, etc. Should have fine shape. 1½" 1.50

**Sanderiana x Joan Swearingen**—Mostly pink, some blues possible. Excellent shape. 1½" 1.50  
2" 3.00

**GROUP III—Vanda Hybrids**

Crosses that contain hybrids with Sanderiana blood in them on each side of the parentage. These will be more variable and offer a great range of colors and types. The best of these will be hard to beat. Needless to say, they are harder to predict as to color.

**Henrietta Ho x Manila**—Fine shape, large flowers. Pink, bronze, buff. 1½" 1.50  
2" 3.00  
3" 6.00

**Ellen Noa x Clara S. Fisher**—Large fine shape. Green-brown to pink-brown. 1½" 1.50  
2" 3.00  
3" 6.00

**Ellen Noa x Rothschildiana**—A wide range of colors, fine shape, probably no two alike. Rose, salmon, apricot, blue, etc. c/p 10.00  
1½" 1.50  
2" 3.00  
3" 6.00  
4" 10.00  
5" 15.00

**Honolulu x Rothschildiana**—A terrific potential. Blue, red, pink. 1½" 1.50  
2" 3.00

**Mary Foster x Ellen Noa**—Primarily red, yellow, bronze. Excellent size and shape. c/p 10.00  
1½" 1.50  
2" 3.00  
3" 6.00

**Mary Foster x Rothschildiana**—Deep purple-red to Fuschia. Fine shape. 2" 3.00  
3" 6.00

**Tatzeri x Ellen Noa**—Green-brown, with rose flush. 1½" 1.25  
2" 2.50  
3" 5.00  
4" 8.50

**Ivah Mae x Ellen Noa**—Almost impossible to guess color except to say nature will be challenged in new combinations. 1½" 1.25  
2" 2.50

**Caroline Robinson x Ellen Noa**—The same sort of a cross as the above. 1½" 1.25  
2" 2.50

**Clara S. Fisher x Mary Foster**—Sanderiana type, deeper color. Very free flowering. 2" 3.00  
3" 6.00  
4" 10.00  
5" 15.00  
6" 20.00

**Burgeffii x Ellen Noa**—Cream to white background, overlying colors of brown and pink. Large size. 4" 10.00  
5" 12.50  
6" 15.00

**Clara S. Fisher x Ellen Noa**—Similar to above but background cream to yellow. 4" 10.00  
5" 12.50  
6" 15.00

**Clara S. Fisher x Henrietta Ho**—Deep red-brown with dark spotting. Good size and shape. 4" 10.00  
5" 12.50  
6" 15.00

**Tatzeri x Rothschildiana**—A cross very similar to V. Fair Queen. Large size, variable colors. 

1½"	1.25
2"	2.50
3"	5.00
4"	8.50

**Ellen Noa x Manila**—Fine shape, large size. Salmon, apricot, buff. 

c/p	10.00
1½"	1.50
2"	3.00
3"	6.00
4"	10.00
5"	15.00
6"	17.50

**Ellen Noa x Henrietta Ho**—Like above but deeper colors. 

1½"	1.50
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**Ohuohu x Rothschildiana**—Many fine deep red and purple-red colors. Excellent size and shape. 

1½"	1.50
3"	6.00
4"	10.00
5"	15.00
6"	20.00

**Rothschildiana x Onomea**—Line breeding for Rothschildiana types of superior color and shape. 

1½"	1.50
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**Manila x Ohuohu**—Sanderiana type of deep pink. 

1½"	1.50
2"	3.00

**Manila x Onomea**—Exceptional possibility, deep magenta-pink. 

1½"	1.50
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**Ellen Noa x Fallax—Burgeffii**—Green and yellow-browns. 

1½"	1.25
2"	2.50
3"	5.00

**Walter Dillingham x Clara S. Fisher**—Unusual color. Large size, good shape. 

c/p	10.00
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**Clara S. Fisher x Self**—Some fine breeding stock for the future. Great variability in size, shape and color. 

c/p	10.00
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**Ellen Noa x Joan Swearingen**—Salmon, apricot, blues, pink. Good size. 

c/p	10.00
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**Honolulu x Manila**—A fine new cross, dark pink, fine shape. 

c/p	10.00
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**Honolulu x Joan Swearingen**—Similar to above but with blues appearing. 

c/p	10.00
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**Ellen Noa x Honolulu**—Cream, buff, salmon, apricot. Fine shape. 

c/p	10.00
1½"	1.50
2"	3.00

**Burgeffii x Manila**—Variable, but some beautiful dark pinks and red-pinks should appear. 

1½"	1.50
2"	3.00
3"	6.00
5"	12.50

**Tatzeri x Ohuohu**—Sanderiana line breeding to produce free flowering Sanderiana type. 

c/p	10.00
3"	6.00

**Clara S. Fisher x Ohuohu**—A companion cross to the above, same purpose. 

2"	3.00
3"	6.00
4"	10.00

**Manila x Clara S. Fisher**—Pink to rose brown, heavily spotted. Large size and fine shape. 

1½"	1.50
2"	3.00
3"	5.00
4"	8.00
5"	10.00
6"	15.00
7"	20.00
8"	25.00



Vanda Admiral Radford (Parent of Manila x Admiral Radford)

**Manila x Admiral Radford**—Made to produce a deep red-pink. Has fine possibilities. 

2"	2.50
3"	5.00
4"	8.50

**Burgeffii x Ohuohu**—Deep pink Sanderiana types. 

2"	3.00
3"	6.00

**Burgeffii x Admiral Radford**—Red-pink, heavy texture. 

2"	3.00
3"	6.00

**Ohuohu x Sam Shearman**—Sanderiana types in green-browns. 

2"	3.00
3"	5.00

**Admiral Radford x Clara S. Fisher**—Red-pink Sanderiana types. 

2"	2.50
3"	5.00

**Tatzeri x Manila**—Dark pink, heavily spotted in deeper colors. Large. 

c/p	10.00
2"	2.00
3"	4.00
4"	8.00

**Tatzeri x Burgeffii**—Two primary Sanderiana crosses, line bred to produce free-flowering Sanderiana types. 

4"	10.00
5"	12.50
7"	17.50

**Burgeffii x Clara S. Fisher**—A primary Sanderiana with a Sanderiana back cross. Result free-flowering Sanderiana type. 

3"	5.00
4"	8.50
5"	12.50
6"	15.00
7"	17.50



**GROUP IV—Vanda Hybrids**

A new group involving V. Prince Charles. This hybrid is described in the "Orchid Journal," Vol. I, No. 4, April, 1952. A hybrid that has exciting colors but lacks shape and size. Our crosses have all been made with large flowers to add size to these new color combinations.

<b>Prince Charles var. Dodecathion x Clara S. Fisher</b> —Yellow base, deep purple-black spotting.	2"	2.50
	3"	5.00
	4"	8.00
	5"	10.00
<b>Ellen Noa x Prince Charles var. Negus</b> —Deep yellow, heavily marked with magenta.	2"	2.50
	3"	5.00
	4"	8.50
<b>Prince Charles var. Burgundy x Manila</b> —A wine-red to deepest pink.	3"	6.00
	4"	10.00
	5"	15.00
<b>Prince Charles x Sanderiana</b> —Large beautiful shape. Tan, yellow, apricot, salmon.	7"	20.00

**GROUP V—Vanda Hybrids**

New primary Sanderiana combinations. These will produce fine things that will end up some day in Group I. However, to date they are unproven and descriptions are based on expectation rather than fact.

<b>Kapoho x Sanderiana</b> —Yellow, browns. Medium size.	c/p	10.00
	1½"	1.00
	2"	2.50
	3"	5.00
	4"	8.50
<b>Emily Notley x Sanderiana</b> —Fine potential, orange to red-brown.	1½"	1.50
	2"	3.00
	3"	6.00
	4"	10.00
<b>Lester McCoy x Sanderiana</b> —We have particularly high hopes for this cross. Blues and greys, with some salmon and apricot colors.	c/p	10.00
	1½"	1.50
	2"	3.00
	3"	6.00
	4"	10.00
<b>Sanderiana x Piihonua</b> —Very much like Sanderiana, dark color.	c/p	10.00
	1½"	1.25
<b>Jill Walker x Sanderiana</b> —A medium-size flower, blue to grey.	2"	2.50
	3"	6.00
<b>Sanderiana x Tatrox</b> —A combination for great color possibilities. Unusual tones of greys, blues, smoky tones.	1½"	1.50
	2"	3.00
	3"	6.00
	4"	10.00
	5"	15.00
	6"	17.50
<b>Sanderiana x Roxburghii</b> —A primary hybrid that should have been made long ago. Greys predominant.	c/p	10.00
	1½"	1.50
<b>Dennizonica x Sanderiana</b> —Deep yellows to buff.	2"	3.00

**GROUP VI—Vanda Hybrids**

Crosses involving a Sanderiana hybrid on one side of the parentage. Most of these crosses contain a hybrid as the other parent. Shapes and colors will be variable but one can expect very fine production in this group.

<b>Ruth O. Pratt (Herziana x Clara S. Fisher)</b> —Large flowers, good shape. Variable in color, pink, salmon, apricot, blue.	c/p	10.00
	1½"	1.50



Vanda Emily Notley (Parent of Emily Notley x Honolulu)

**Emily Notley x Honolulu**—Very difficult to predict color. Probably yellow to red-browns, some pink.

<b>Sumatrana x Ellen Noa</b> —Deep yellow to brown and mahogany.	c/p	10.00
	c/p	10.00
	1½"	1.25
<b>Trisher (Tricolor x Clara S. Fisher)</b> —Very heavy production, browns and reds.	2"	2.50
	c/p	10.00
	1½"	1.25
<b>Puna x Ellen Noa</b> —White to cream, very dainty.	2"	2.50
	3"	5.00
	1½"	1.25
<b>Tricolor x Henrietta Ho</b> —Deep red-brown, heavy texture.	2"	2.50
	3"	5.00
	1½"	1.25
<b>Emily Notley x Clara S. Fisher</b> —Yellow background, large deep brown spots.	2"	2.50
	3"	5.00
	1½"	1.25
<b>Caroline Robinson x Rothschildiana</b> —Beautiful grey-blues. Most unusual colors, heavy texture.	1½"	1.50
	2"	3.00
	3"	6.00
<b>Sumarei x Ellen Noa</b> —A chance for fine yellows.	1½"	1.25
	2"	2.50
<b>Suavis x Ellen Noa</b> —White to cream, purple spots.	1½"	1.00
	2"	2.00
	3"	3.50
<b>Ellen Noa x Insignis</b> —Red-brown to deep orange-yellow.	1½"	1.25
	2"	2.50
	3"	5.00
<b>Luzonica x Mary Foster</b> —Tan to red-brown, darker markings.	1½"	1.25
	2"	2.50
	3"	5.00
<b>Mem. T. Iwasaki x Manila</b> —Deep orange to yellow-browns, some dark pinks.	c/p	10.00
	1½"	1.25
	2"	2.50
<b>Honolulu x Insignis</b> —Deep rose to red-pinks.	3"	5.00
	1½"	1.25
	2"	2.50
	3"	5.00

<b>Emily Notley x Mary Foster</b> —Golden red and brown tones.	1½"	1.25
	2"	2.50
	3"	5.00
<b>Emily Notley x Henrietta Ho</b> —Deep orange-yellow.	1½"	1.25
	2"	2.50
<b>Clara S. Fisher x Sumatrana</b> —Heavy texture, pink-brown.	1½"	1.25
	2"	2.50
<b>Caroline Robinson x Clara S. Fisher</b> —Unusual colors, grey overtones on pinks.	1½"	1.25
	2"	2.50
	3"	5.00
<b>Amoena x Ellen Noa</b> —Silver-greys and blues.	1½"	1.25
	2"	2.50
<b>Pink Blush (Rothschildiana x Herziana)</b> —A very free-flowering, satisfactory pink. Blues will also appear.	2"	2.50
	4"	8.50
	5"	12.50
<b>Blue Slate (Gilbert Triboulet x Rothschildiana)</b> —A much improved type of V. Gilbert Triboulet, blue-grey in color.	4"	7.50
	5"	10.00
	7"	12.50
<b>Queenie Pie (Herziana x Ellen Noa)</b> —Blue flowers of fine size and shape.	4"	7.50
	5"	10.00
<b>Ellen Noa x Loke</b> —Light yellow and white, spotted pink.	2"	2.50
	3"	5.00
	4"	7.50
<b>Jill Walker x Rothschildiana</b> —A good true blue, medium size.	1½"	1.25
	2"	2.50
	3"	5.00
	4"	8.50
	5"	12.50
<b>Mem. G. Tanaka x Ellen Noa</b> —A very strong yellow, heavy texture.	2"	2.50
	3"	5.00
	4"	8.50
	5"	12.50
<b>Mary Foster x Dearei</b> —Yellow-brown, heavy texture.	c/p	10.00
	2"	2.50
	3"	5.00
<b>Kalalau (Paki x Ellen Noa)</b> —Tiny pure yellow, green-red lip.	2"	2.50
	3"	5.00
<b>Dearei x Ohuchu</b> —Yellow to buff, large size.	1½"	1.25
	2"	2.50
	3"	5.00
<b>Dearei x Manila</b> —Yellow with pink spotting.	1½"	1.25
	2"	2.50
	3"	5.00
<b>Ivah Mae (Charlesworthii x Clara S. Fisher)</b> —A very unusual hybrid, deep purple in color.	1½"	1.50
<b>Suavis x Rothschildiana</b> —An exceptionally free flowering hybrid. Large flowers. Mostly blues, some off colors.	1½"	1.00
	2"	2.00
	3"	4.00
	5"	10.00
	6"	12.50
	7"	15.00
<b>Ellen Noa x Boschii</b> —Cream to white, pale pink spotting.	3"	4.00
	4"	6.00
	6"	10.00
	7"	12.50

<b>Boschii x Rothschildiana</b> —Pinks and blues, large size.	5"	12.50
	6"	15.00
	7"	17.50
<b>Burgeffii x Virginia Shipman Biehl</b> —Deep red-pinks.	5"	12.50
	6"	15.00
<b>Dearei x Ellen Noa</b> —A deep, clear yellow.	7"	15.00
<b>Rothschildiana x Emily Notley</b> —Pinks and salmon-yellows.	2"	2.50
	3"	5.00
<b>Luzonica x Manila</b> —White with pink spotting.	2"	2.50
	3"	5.00
	4"	8.50
<b>Flammerolle x Rothschildiana</b> —A deep, dark blue, some pinks.	1½"	1.25
	2"	2.50
	3"	5.00
<b>Suavis x Manila</b> —White, purple-pink spotting.	1½"	1.00
	2"	2.00
	3"	4.00
	4"	7.50
<b>Suavis x Tatzeri</b> —Medium size. White to yellow, heavily spotted purple to pink.	1½"	1.00
	2"	2.00
	3"	4.00
	4"	7.50
	5"	10.00
<b>Amoena x Rothschildiana</b> —A very fine blue of medium size.	1½"	1.25
	2"	2.50
	3"	5.00
	4"	8.50
<b>Merrillii x Manila</b> —Deep red-pink, medium size.	1½"	1.00
	2"	2.00
	3"	4.00
	4"	7.50
	5"	10.00
<b>Manila x Flammerolle</b> —Predominantly dark pink, good size.	1½"	1.25
	2"	2.50
	3"	5.00
<b>Ellen Noa x Luzonica</b> —White to cream, pink spotting.	1½"	1.00
	2"	2.00
	3"	4.00
	4"	7.50
	5"	10.00
	6"	12.50
<b>Manila x Mem. G. Tanaka</b> —Salmon, apricot, unusual shades.	1½"	1.00
	2"	2.00
	3"	4.00
	4"	7.50
<b>Gilbert Triboulet x Ellen Noa</b> —Yellows with blue to grey spotting.	1½"	1.00
	3"	4.00
	4"	7.50
	5"	10.00
<b>Ellen Noa x Coerulea</b> —A fine large blue. Particularly promising.	1½"	1.50
	2"	3.00
	3"	6.00
<b>Ellen Noa x Coerulea</b> —A fine large blue. Particularly promising.	1½"	1.25
	2"	2.50
	3"	5.00
<b>Burgeffii x Caroline Robinson</b> —Unusual colors, deep red-pinks to grey-blues.	5"	12.50



## Group VI—Vanda Hybrids (Cont'd)

Emily Notley x Tatzeri—Medium size, red-brown.	1½"	1.25
	2"	2.50
Insignis x Manila—Deep red-pink.	c/p	10.00
Caroline Robinson x Honolulu—Blue-grey, deep purple.	c/p	10.00
Mary Foster x Sumatrana — Deep red-brown, intense color.	c/p	10.00
Flammerolle x Ellen Noa—Yellow base, blue overtones.	2"	2.50
	3"	5.00
Rose Davis (V. Rothschildiana x Coerulea)—A very large blue of fine size and shape. An improved V. Coerulea.	1½"	1.50
Ellen Noa x Lester McCoy—Primarily yellow, with pale blue flush.	2"	2.50
Lester McCoy x Rothschildiana—A cross between two of the best blues known.	1½"	1.50
Frank Scudder x Manila—Pinks, salmons, some blue. Good size.	4"	8.50
	5"	10.00
	6"	12.50

## GROUP VII—Vanda Hybrids

These hybrids are being developed to produce exceedingly free flowering plants of easy culture. They make excellent pot plants and flower almost continually. Flowers are smaller than the Sanderiana hybrids.

**Mem. T. Iwasaki x Dennisoniana Deep Green var.**—A good chartreuse-green is hard to produce. We think this cross will be the answer.

2"	3.00
3"	5.00



Small Flowered Vandas as Offered in Group VII



Vanda Tiny Tim

**Tiny Tim (Trimerill x Tessellata)**—A charming little dwarf pot plant. Flowers when only 8-10" high. Flowers fragrant, delightful shade of red-brown. If you have a small greenhouse this is the Vanda for you.

7"	12.50
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**Emily Notley x Merrillii**—Deep red-brown, fragrant.

2"	2.50
3"	4.00
4"	7.50
5"	10.00
6"	12.50
7"	15.00

**Trimerill (Tricolor x Merrillii)**—Constantly in flower. Chinese lacquer-red in color. Fragrant.

2"	2.00
3"	4.00
4"	7.50
5"	10.00
6"	12.50
7"	15.00

**Suavis x Flammerolle**—Pale blue to pink and white.

2"	3.00
3"	4.00

**Emily Notley x Coerulea**—A good blue, very free flowering.

c/p	10.00
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**Boschii x Merrillii**—White with red spotting.

1½"	1.00
2"	2.00
3"	4.00

**Gilbert Triboulet x Dearei**—Cream to yellow with blue to purple spotting.

1½"	1.00
2"	2.00
3"	4.00

**Tatrox x Sumatrana**—Unusual shades of grey-purple to red-brown.

1½"	1.00
2"	2.00
3"	4.00

**Herziana x Gilbert Triboulet**—Two of the freest flowering blues as parents. Should segregate for blues. Also, white and yellow with blue spotting.

1½"	1.00
2"	2.00
3"	4.00

**Suavis x Merrillii**—A Suavis with red spots. Fragrant.

1½"	1.00
2"	2.00
3"	4.00

**Caroline Robinson x Flammerolle**—Deep grey-blues, heavy texture.

1½"	1.25
2"	2.50

<b>Emily Notley x Sumatrana</b> — Deepest red-brown and copper tones.	1½"	1.25
	2"	2.50
<b>Mem. T. Iwasaki x Emily Notley</b> —Yellow heavily spotted red to purple.	1½"	1.00
	2"	2.00
	3"	4.00
<b>Amoena x Flammerolle</b> — Two excellent blues. Should make a fine free-flowering blue.	1½"	1.25
	2"	2.50
	3"	5.00
<b>Puna x Merrillii</b> —An everblooming Merrillii.	1½"	1.00
	2"	2.00
<b>Caroline Robinson x Sumatrana</b> —Very dark colors, brown-reds, unusual shades.	2"	2.50
	3"	5.00
<b>Kapoho x Sumatrana</b> —A small flower. Yellow base, deep red markings. Long spikes.	1½"	1.00
	2"	2.00
	3"	4.00
<b>Katie Neville (Mem. T. Iwasaki x Caroline Robinson)</b> —Most unusual colors; yellow base, spotted deep purple, brown.	4"	7.50
	5"	10.00
<b>Suavis x Limbata</b> —Long spikes, free flowering. White, purple spots.	3"	4.00
	6"	10.00
	7"	12.50
<b>Mem. G. Tanaka (Mem. T. Iwasaki x Dearei)</b> —A clear yellow of the Dearei type.	8"	15.00
<b>Orion (Concolor x Lester McCoy)</b> —Exceptional texture, flowers continuously. Grape color, brown, green, every combination imaginable.	6"	8.50
<b>Suavis x Concolor</b> —A deep red-brown Suavis type.	7"	10.00
<b>Luzonica x Concolor</b> —An improved type of V. Concolor.	7"	10.00
<b>Emily Notley x Dearei</b> —Deep yellow-brown, red markings.	6"	10.00
<b>Boschii (Tricolor x Luzonica)</b> — Tricolor type. White, magenta-purple spots.	10"	12.50
<b>Lester McCoy x Coerulea</b> —A large fine blue of the Coerulea type.	1½"	1.50
	2"	3.00
	3"	6.00
<b>Suavis x Luzonica</b> —A hybrid Suavis of continual production.	2"	2.00
	3"	3.50
<b>Mem. G. Tanaka x Merrillii</b> —Metallic red, fragrant.	2"	2.00
	3"	4.00

### GROUP VIII—Vanda Hybrids

These crosses contain what we in the Islands call V. Batemanii. This is more correctly known botanically as Vandopsis lissochiloides. The hybrids are characterized by large plants with heavy foliage, very long flower spikes, exceptional texture of the flowers. These are among the most spectacular display plants known. The generic name for this group is Opsisanda.

<b>Batemanii x Merrillii</b> —Deep metallic red, yellow background.	6"	17.50
<b>Batemanii x Tatzeri</b> —Large flowers heavily spotted on red-brown base.	1½"	1.50
	2"	3.00
	3"	6.00
	4"	10.00
<b>Batemanii x Ellen Noa</b> —Yellow predominating, very large flowers.	1½"	1.50
	2"	3.00
	3"	6.00
	4"	10.00
	6"	20.00



Opsisanda Kimo Cardus (Typical of the V. Batemanii Crosses)

<b>Helen Miyamoto (Sanderiana x Batemanii)</b> —Yellow to tan, spotted darker color. Very fine.	3"	6.00
	4"	10.00
	5"	15.00
<b>Emily Notley x Batemanii</b> —Large yellow-brown flowers.	1½"	1.50
	2"	3.00
	3"	6.00
	4"	10.00
<b>Batemanii x Clara S. Fisher</b> —Large flowers deep brown red, spotted.	c/p	10.00
	1½"	1.50
	2"	3.00
<b>Paki x Batemanii</b> —Deep yellow, red-purple spotting.	3"	5.00
	4"	7.50
	5"	10.00
<b>Suavis x Batemanii</b> —White to cream background, deep purple spotting.	3"	4.50
	6"	10.00
<b>Batemanii</b> —The species itself. A fine collector's item. Long spikes, heavy texture, yellow, red, purple. Needs lots of room as the plants are very large.	10"	20.00

### GROUP IX—Vanda Hybrids

Hybrids involving crosses between Renanthera and Vanda. These have giant sprays of flowers. Renanthera-like in shape but much larger. They have heavy texture and are long lasting, beautiful subjects.

<b>Herziana x REN. Monachica</b> —Probably warm rose, pink to orange.	2"	3.00
	3"	6.00
<b>Concolor x REN. Coccinea</b> —Deep blood-red, very heavy texture.	3"	5.00
<b>REN. Storiei x V. Limbata</b> —Deep salmon-red, fine sprays.	3"	7.00
	7"	20.00
<b>Tatzeri x REN. Storiei</b> —Very similar to REN. Jack Warne.	4"	12.50
	5"	20.00





Renantanda Jack Warne

**Group IX—Vanda Hybrids (Cont'd)**

**Renantanda Jack Warne (REN. Storiei x V. Sanderiana)**—Truly one of the finest hybrids in existence. Large salmon-red flowers, enormous sprays. 1½" 2.00

**Mem. G. Tanaka x REN. Storiei**—Deep blood-red.  
2" 3.00  
3" 6.00

**Flammerolle x REN. Storiei**—Rich Fuschia-purple to red.  
2" 3.00  
3" 6.00

**Emily Notley x REN. Storiei**—Deep red, large sprays.  
2" 2.50  
3" 5.00  
4" 8.50

**Manila x REN. Storiei**—A deep, rich red of very large size.  
1½" 1.50  
2" 3.00  
3" 6.00  
4" 10.00  
5" 15.00  
6" 20.00  
7" 25.00

**Laukapu x REN. Storiei**—Large red-salmon flowers.  
c/p 10.00

**REN. Storiei x Self**—A very fine strain of the best species, large sprays blood-red flowers.  
1½" 1.50  
2" 2.50

**Boschii x REN. Storiei**—Deep red, heavy production.  
1½" 1.50  
2" 3.00

**Amoena x REN. Storiei**—Very deep red color. A beautiful grower, fine new hybrid.  
1½" 1.50  
2" 3.00  
3" 5.00  
4" 8.50  
5" 12.50  
6" 15.00  
7" 20.00  
8" 22.50

**REN. Storiei x V. Purpurea**—The darkest red color possible, fine large spikes.  
4" 12.50  
5" 15.00  
6" 17.50

**Renanthopsis Lena Rowold (REN. Storiei x V. Batemanii)**—Giant sprays of intense blood-red flowers. Heavy texture, long lasting.  
1½" 1.50  
2" 3.00  
3" 6.00  
4" 10.00  
7" 17.50

**REN. Storiei x V. Gigantea**—A semi-dwarf plant with deep red flowers. Very heavy texture.  
3" 6.00  
4" 10.00  
5" 15.00  
6" 20.00

**REN. Storiei x V. Rothschildiana**—Great promise for size, deep red color. 3" 6.00

**REN. Donald McIntyre (REN. Storiei x V. Clara S. Fisher)**—Deep red flowers, large branched spikes.  
1½" 1.50  
2" 3.00  
3" 6.00

**GROUP X—Vanda Home-grown Species**

We list here some strains of home-grown seedling species. These are distinct improvements over imported types as they are selected for quality and growth habits. Particularly is this true of our strains of *V. Sanderiana*.

**Sanderiana**—The most famous species of them all. Our strains are second and third generation selections. They can't be beat. c/p 12.50

1½" 3.00  
2" 3.50  
3" 7.50  
Near flowering 25.00

**Sumatrana**—A rare species of deep red-brown.  
1½" 1.50  
2" 2.50  
3" 5.00

**GROUP XI—Semi-terete Vandas**

Hybrids between terete and spatulate species. They are among the most beautiful hybrids. Flowers are very large. They require maximum light to flower freely. They are not good subjects if you have long, dark winters.

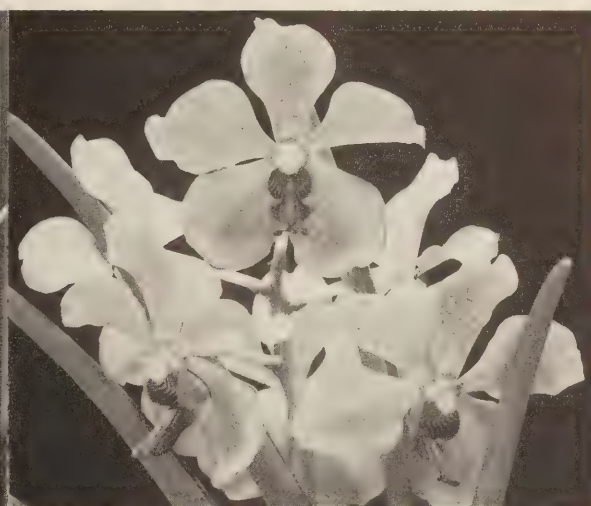
**Kobber Kane x Agenes Joaquim Atherton's var.**—Lavender with a golden flush. 1½" 1.00



Renanthopsis Lena Rowold



Vanda Sanderiana



Vanda Nellie Morley

**Emily Notely x Teres var. Andersonii** — A medium-size flower of great color intensity. Rose-pink, with golden throat.

1½"	1.00
2"	2.50

**Manila x Teres Alba**—Exceptionally large pastel pinks. Fine shape.

2"	3.00
3"	6.00
4"	10.00
5"	15.00

**Merv. L. Velthius (Sanderiana x Agnes Joaquim)**—One of the finest. Large, flat, pastel pink flowers.

12" top cuttings, ea.	5.00
18" top cuttings, ea.	7.50
24" top cuttings, ea.	12.50

**Nellie Morely (Emma Van Deventer x Sanderiana)**—A magnificent hybrid. Winning highest honors in shows everywhere. Lavender-pink, dark pink spots. Probably the best hybrid produced in this section to date.

6"	25.00
7"	35.00

**Candlelight (Kobber Kane x Sanderiana)**—A lovely round flower, soft candlelight yellow.

4"	10.00
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Vanda Merv. L. Velthius



Vanda Candlelight







Cattleya

## CORSAGES

Dendrobium

Vanda

## ORCHID CORSAGES FROM HAWAII

<b>Cattleya Corsage</b> —Delivered by airmail parcel post, special delivery.....	<b>\$5.00</b>
<b>Dendrobium Corsage</b> —Delivered by airmail parcel post, special delivery.....	<b>\$6.50</b>
<b>Vanda Corsage</b> —Delivered by airmail parcel post, special delivery.....	<b>\$5.75</b>

If you have a special occasion and don't want to cut your own flowers, let us ship a corsage to you. We guarantee safe delivery. It is a thrill to say your flowers came direct from Hawaii, the land of flowers.





Hawaiian Ti Hybrid

## HAWAIIAN TI PLANTS

Botanically known as *Cordyline Terminalis* and very closely allied to *Dracena*. The species are widely distributed over the Pacific. All plants offered here are new hybrids developed in Hawaii by cross pollination. They make beautiful pot plants for sun porch or greenhouse. They are vastly superior for this purpose to such plants as Palms or Crotons. Pot in any good soil, giving ample drainage.

**Akaka Falls**—Pointed leaf. Center purple green, margined red. New growth bright fuschia color.

**Apple Juno**—Dark green, round leaves. Edge, pale pink and green.

**Cummings Red**—Large leaves. Green, flushed purple bronze. New foliage, crimson-purple.

**Dillingham Pink**—Slender leaves. Deep metallic green; wide pink, purple edge.

**Dillingham Red**—Bright slender purple leaves. Brilliant purple edge.

**Giant Kalakaua**—Very broad leaves. Purple, shaded green. Bright purple edge.

**Kalakaua**—Round recurved leaves. Deep purple. Bright purple edge.

**Kamehameha**—Broad leaf. Black-purple, fuschia edge.

**Kalakaua's Sister**—Broad leaf, heavy foliage. Maroon-green. New foliage purple, striped green.

**Kauai Rust**—Apple green, bright red margin.

**Kauai Beauty**—Short broad foliage. Deep green, veined red. Bright red edge.

**Kona Beauty**—Recurved foliage. Green, cream and purple, edged red.

**Manoa Miss**—Dark forest green, bright fuschia red edge. Foliage closely set.

**Maunakea**—Dark green, pale white. Green edge.

**Pele Tongue**—Small leaves, red green. Bright purple-red tip.

**Pele Flame**—Large pointed leaves, bronze-purple. Bright purple edge.

**Pele Flow**—Purple-bronze, bright red petioles.

**Pele Smoke**—Green, flushed deep rose.

**Powder Puff**—Semi-dwarf. Red-bronze and red.

**Pink Crepe**—Crinkled broad foliage. Deep green, margined white and pink.

**Onomea Beauty**—Copper-green, bright red edge.

**Queen Ann**—Bronze-green. Very large foliage, margined purple.

**Queen Emma**—Bright purple, flushed deep purple. New foliage brilliant.

**Rainbow Juno**—Large round leaves. Green, deep rose pink. Edge stripped green and pink.

**Rooster Tail**—Purple-bronze. Long pointed recurved leaves.

**Sleeping Beauty**—Recurved crinkle leaf. Bright purple-green, margined fuschia. New growth, olive green.

We offer all varieties in two sizes: **\$3.50 and \$7.50**. The smaller size should go in 6" pots, the larger 10-14" pots. Plants shipped bare root, wrapped in moist sphagnum moss.



Trailing Anthurium

## HAWAIIAN ANTHURIUM HYBRIDS

### ANTHURIUM ANDREANUM

These plants do well with orchids in the glass house. They require 50% shade, lots of water and fertilizer and the warmest part of the orchid house. They flower out of each leaf and the flowers last in perfection for weeks on the plant. They also make excellent cut flowers. Pot in old osmunda or Hawaiian tree fern. Wrap the stem with moss as it grows up in the air.

All plants offered are of flowering size.  
\$1.50      \$3.50      \$5.00 each

COLORS — Salmon, red, pink, blood red, orange, pale pink, and white.

### TRAILING ANTHURIUM

A beautiful pot plant with pearly white seed pods of great charm. Will trail up a totem pole or make beautiful hanging basket.

6" \$ 3.50



Anthurium Andreanum Hybrid



Hawaiian Hibiscus Hybrids

## HAWAIIAN HIBISCUS HYBRIDS

Our State flower, the Hibiscus has reached its finest development in Hawaii. Subject to frost, the plants can be grown in tubs and wintered on the sun porch. Plant in any rich

soil, grow in full sun outside except during winter. All plants offered are grafted stock, flowering size. Plants shipped bare root in moist sphagnum moss.

PRICE \$2.50 EACH

### RED VARIETIES

American Beauty  
Black Beauty  
Charlotte Tokumoto  
Kuhio  
Kalakaua  
Kapiolani  
Alii

### ORANGE VARIETIES

Victory Orange  
Maui Beauty  
Rainbow  
New Kalakaua  
Marion Taylor  
Miss Hawaii

### YELLOW VARIETIES

Vasco  
Crepe Yellow  
Mapunapuna

### WHITE & NEAR WHITE

Miss Ueno  
Elephant Ear

### PINK VARIETIES

Bridesmaid  
Pink Lady  
New Crepe Pink

### LAVENDER

Violet Beauty  
Lavender Beauty  
Ala Moana



## INSTRUCTIONS FOR ORDERING

**Terms** are cash with order, no C.O.D. Remit only the amount of the purchase price of the plants. We will bill the transportation costs to you when they have been determined after shipment.

**Discounts**—We do not have any wholesale price list. Instead, we offer substantial quantity discounts in the belief that this policy is more equitable to all buyers. Orders totaling \$249.00 or less are sold at full retail list as quoted herein. Orders for larger amounts carry discounts as follows: \$250.00 to \$499.00, discount 10 per cent; \$500.00 to \$749.00, discount 20 per cent; \$750.00 to \$999.00, discount 25 per cent; \$1000.00 and over, discount 33 1/3 per cent. These discounts apply only to stock which we catalog.

**Shipping**—Plants are shipped out of pots.

Advise whether or not we may substitute size or variety in the event we are out of stock.

There is no packing charge.

**Ordering**—List the full name of the plants you want.

No import permits are required for entry into continental United States. Foreign countries, please check your requirements.

**Remember**, we guarantee satisfaction. If anything about your shipment is unsatisfactory, PLEASE write to us. We will cheerfully correct it.

All plants are offered subject to prior sale. Wm. Kirch—Orchids, Ltd. in no way guarantees the crop produced by these plants as such conditions are beyond our control. In the event of a claim, our liability is limited to the purchase price. This list cancels all previous quotations.







